

# **SOUTHWEST U.S**

## **MONTEREY PINE PHOTO SERIES**

**SIZE CLASS I**  
(AVERAGE D.B.H. < 5.0 INCHES)

A SERIES OF 4 NATURAL SITES

### NOTES TO USERS:

1. The sites in this series are ordered from lightest to heaviest woody material loading.
2. A list of scientific and common species names can be found on page X.
3. The marker in these photographs is a 1-foot square, and the pole is painted in contrasting colors at 1-foot intervals. The pole is 30 feet from the camera and all sampling occurs beyond that point.
4. Woody material and forest floor loading are reported in tons per acre. Understory loading is reported in pounds per acre.
5. Overstory size class ranges for Southwest (SW) sites are different from those of the Pacific Northwest (PNW), Pacific Southwest (PSW), and Black Hills (BH).

## BH 1-PP-1 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Aspect: South
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#### STAND INFORMATION

Age (100)
Standing dead trees: 0%
Bark and Litter Depth: 1.6 in

#### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.1	0.0	0.1	--	--	--
0.26 – 1.0	0.5	0.0	0.5	--	--	--
1.1 – 3.0	0.6	0.0	0.6	--	--	--
3.1 – 9.0	2.8	0.0	2.8	--	--	--
9.1 – 20.0	0.0	0.0	0.0	--	--	--
>20.0	0.0	0.0	0.0	--	--	--
Total	4.0	0.0	4.0	--	--	--

#### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	--	--	--
Other common species	--	--	--
Loading (lbs/ac)	0.00	0.00	0.00
Total cover (%)	0	0	0
Mean height (ft)	--	--	--

## Wide View

No Image  
Available

### OVERSTORY

	Size Class (Diameter at Breast Height)				
	<8" Live & Dead	>8" Dead	8 – 20" Live	>20" Live	≥1" Live & Dead
Most common species	Ponderosa pine	--	--	--	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	4000	0	0	0	4000
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg DBH (in)	2.0	--	--	--	2.0
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height (ft)	13.1	--	--	--	13.1
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg ladder fuel height (ft)	--	--	--	--	--
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height to live crown (ft)	4.7	--	--	--	4.7

## PNW 1-PP-1 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N/A  
SAF cover type: Interior Ponderosa Pine  
Elevation: N/A      Slope: N/A      Aspect: N/A

#### STAND INFORMATION

Trees (% of stems): Ponderosa pine (100)  
Crown closure: 55%      Standing dead trees: 0%  
Seedling density: N/A      Duff and Litter Depth: 1.0in

#### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.1	0.0	0.1	--	--	--
0.26 – 1.0	1.5	0.0	1.5	--	--	--
1.1 – 3.0	2.2	0.0	2.2	--	--	--
3.1 – 9.0	1.1	0.0	1.1	--	--	--
9.1 – 20.0	1.8	0.0	1.8	--	--	--
>20.0	3.3	0.0	3.3	--	--	--
Total	10.0	0.0	10.0	--	--	--

#### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	Strawberry	--	Bitterbrush
Other common species	--	--	--
Loading (lbs/ac)	15.00	0.00	N/A
Total cover (%)	1	0	1
Mean height (ft)	0..2	--	0.1

## Wide View

No Image  
Available

### OVERSTORY

	Size Class (Diameter at Breast Height)				
	<8" Live & Dead	>8" Dead	8 – 20" Live	>20" Live	≥1" Live & Dead
Most common species	Ponderosa pine	--	Ponderosa pine	--	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	1785	--	14	0	1799
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg DBH (in)	5.0	--	10.0	--	5.0
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height (ft)	22.0	--	59.0	--	22.3
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg ladder fuel height (ft)	--	--	--	--	--
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height to live crown (ft)	9.0	--	35.0	--	9.2

## PNW 2-PP-1 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N/A  
SAF cover type: Interior Ponderosa Pine  
Elevation: N/A      Slope: N/A      Aspect: N/A

#### STAND INFORMATION

Trees (% of stems): Ponderosa pine (100)  
Crown closure: 35%      Standing dead trees: 0%  
Seedling density: N/A      Duff and Litter Depth: 0.8in

#### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.1	--	0.1	--	--	--
0.26 – 1.0	1.5	--	1.5	--	--	--
1.1 – 3.0	4.8	--	4.8	--	--	--
3.1 – 9.0	5.5	--	5.5	--	--	--
9.1 – 20.0	2.3	--	2.3	--	--	--
>20.0	0.0	--	0.0	--	--	--
Total	14.2	--	14.2	--	--	--

#### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species		Pinegrass	Snowberry
Other common species	--	--	--
Loading (lbs/ac)	0.00	250.00	N/A
Total cover (%)	0	6	7
Mean height (ft)	--	0.8	0.7

## Wide View

No Image  
Available

### OVERSTORY

	Size Class (Diameter at Breast Height)				
	<8" Live & Dead	>8" Dead	8 – 20" Live	>20" Live	≥1" Live & Dead
Most common species	Ponderosa pine	--	Ponderosa pine	--	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	950	0	19	0	969
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg DBH (in)	3.0	--	8.0	--	3.1
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height (ft)	18.0	--	40.0	--	18.4
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg ladder fuel height (ft)	--	--	--	--	--
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height to live crown (ft)	9.0	--	25.0	--	9.3

## PNW 3-PP-1 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N/A  
 SAF cover type: Interior Ponderosa Pine  
 Elevation: N/A      Slope: N/A      Aspect: N/A

#### STAND INFORMATION

Trees (% of stems): Ponderosa pine (100)	
Crown closure: 60%	Standing dead trees: 0%
Seedling density: N/A	Duff and Litter Depth: 0.7 in

#### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.1	--	0.1	--	--	--
0.26 – 1.0	3.9	--	3.9	--	--	--
1.1 – 3.0	4.5	--	4.5	--	--	--
3.1 – 9.0	9.5	--	9.5	--	--	--
9.1 – 20.0	11.7	--	11.7	--	--	--
>20.0	12.8	--	12.8	--	--	--
Total	42.5	--	42.5	--	--	--

#### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	--	Pinegrass	Snowberry
Other common species	--	--	--
Loading (lbs/ac)	0.00	500.00	N/A
Total cover (%)	0	25	11
Mean height (ft)	--	0.8	0.4

## Wide View

No Image  
Available

### OVERSTORY

	Size Class (Diameter at Breast Height)				
	<8" Live & Dead	>8" Dead	8 – 20" Live	>20" Live	≥1" Live & Dead
Most common species	Ponderosa pine	--	Ponderosa pine	--	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	1300	0	38	0	1338
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg DBH (in)	3.0	--	9.0	--	3.2
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height (ft)	23.0	--	52.0	--	23.8
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg ladder fuel height (ft)	--	--	--	--	--
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height to live crown (ft)	9.0	--	26.0	--	9.5



# **SOUTHWEST U.S**

# **MONTEREY PINE PHOTO SERIES**

## **SIZE CLASS II**

(AVERAGE D.B.H. 5.0 – 11.0 INCHES)

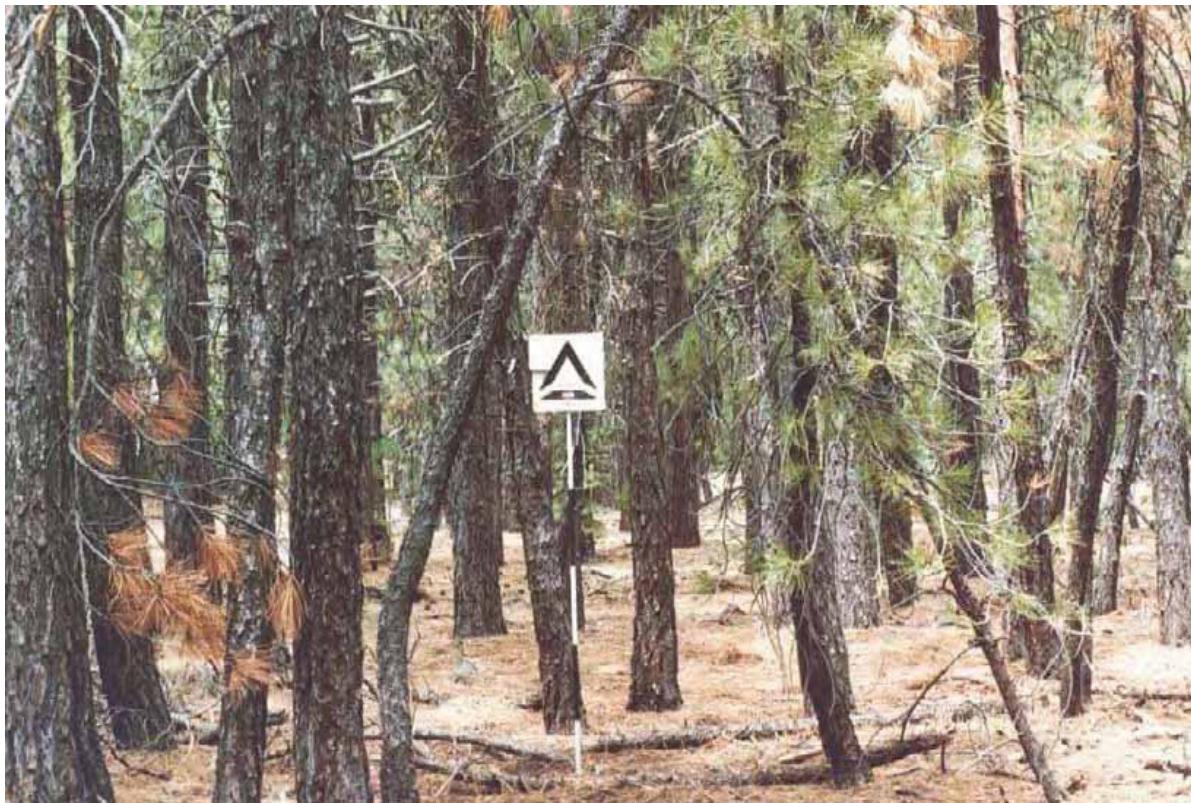
A SERIES OF 16 NATURAL SITES

### **NOTES TO USERS:**

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3. The marker in these photographs is a 1-foot square, and the pole is painted in contrasting colors at 1-foot intervals. The pole is 30 feet from the camera and all sampling occurs beyond that point.
4. Woody material and forest floor loading are reported in tons per acre. Understory loading is reported in pounds per acre.
5. Overstory size class ranges for Southwest (SW) sites are different from those of the Pacific Northwest (PNW), Pacific Southwest (PSW), and Black Hills (BH).

## PSW 1-PP-2 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N/A  
SAF cover type: Pacific Ponderosa Pine  
Elevation: N/A      Slope: N/A      Aspect: N/A

#### STAND INFORMATION

Trees (% of stems): Ponderosa pine (100)  
Crown closure: N/A      Standing dead trees: N/A  
Seedling density: N/A      Duff and Litter Depth: 1.8 in

#### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.2	--	0.2	--	--	--
0.26 – 1.0	0.5	--	0.5	--	--	--
1.1 – 3.0	1.4	--	1.4	--	--	--
3.1 – 9.0	0.8	--	0.8	--	--	--
9.1 – 20.0	0.0	--	0.0	--	--	--
>20.0	0.0	--	0.0	--	--	--
Total	2.9	--	2.9	--	--	--

#### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	--	--	--
Other common species	--	--	--
Loading (lbs/ac)	N/A	N/A	N/A
Total cover (%)	--	--	--
Mean height (ft)	--	--	--

## Wide View

No Image  
Available

### OVERSTORY

	Size Class (Diameter at Breast Height)				
	<8" Live & Dead	>8" Dead	8 - 20" Live	>20" Live	≥1" Live & Dead
Most common species	--	--	--	--	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	N/A	N/A	N/A	N/A	N/A
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg DBH (in)	--	--	--	--	8.0
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height (ft)	--	--	--	--	39.0
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg ladder fuel height (ft)	--	--	--	--	N/A
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height to live crown (ft)	--	--	--	--	26.0

## BH 1-PP-2 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N/A  
SAF cover type: Interior Ponderosa Pine  
Elevation: N/A      Slope: N/A      Aspect: Northwest

#### STAND INFORMATION

Trees (% of stems): Ponderosa pine (100)  
Crown closure: 85%      Standing dead trees: 0%  
Seedling density: N/A      Duff and Litter Depth: 1.2 in

#### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
<0.25	0.1	0.0	0.1	--	--	--
0.26 – 1.0	1.0	0.0	1.0	--	--	--
1.1 – 3.0	1.1	0.0	1.1	--	--	--
3.1 – 9.0	1.6	0.0	1.6	--	--	--
9.1 – 20.0	0.0	0.0	0.0	--	--	--
>20.0	0.0	0.0	0.0	--	--	--
Total	3.8	0.0	3.8	--	--	--

#### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	--	N/A	Snowberry
Other common species	--	--	--
Loading (lbs/ac)	0.00	50.00	n/a
Total cover (%)	0	2	16
Mean height (ft)	--	0.6	0.6

## Wide View

No Image  
Available

## OVERSTORY

	Size Class (Diameter at Breast Height)				
	<8" Live & Dead	>8" Dead	8 – 20" Live	>20" Live	≥1" Live & Dead
Most common species	Ponderosa pine	--	Ponderosa pine	--	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	300	0	203	0	503
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg DBH (in)	6.5	--	10.4	--	8.1
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height (ft)	36.0	--	45.0	--	39.6
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg ladder fuel height (ft)	--	--	--	--	--
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height to live crown (ft)	19.0	--	23.0	--	20.1

## SW 1-PP-2 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N 35° 16' 09.1" W 111° 45' 20.6"  
SAF cover type: Interior Ponderosa Pine  
Elevation: 7448 ft      Slope: 1%      Aspect: Southwest

#### STAND INFORMATION

Trees (% of stems): <i>Pinus ponderosa</i> (100)	Standing dead trees: 7%
Crown closure: 70%	Sapling density: 150/ac
Seedling density: 250/ac	Duff depth: 0.3 in
Litter depth: 1.6 in	

### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.3	0.0	0.3	--	--	--
0.26 – 1.0	0.4	0.0	0.4	--	--	--
1.1 – 3.0	1.6	0.0	1.6	--	--	--
3.1 – 9.0	0.8	0.3	1.1	18	10	28
9.0 – 20.0	1.1	0.0	1.1	0	0	0
>20.0	0.0	0.0	0.0	0	0	0
Total	4.2	0.3	4.5	18	10	28

### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	Wheeler's thistle	Bottlebrush squirreltail	--
Other common species	Sweet clover vetch	--	--
Loading (lbs/ac)	5.80	59.11	0.00
Total cover (%)	2	1	0
Mean height (ft)	0.1	0.3	--

## Wide View



## OVERSTORY

	Size Class (Diameter at Breast Height)				
	3 – 9"	9 – 16"	16 – 25"	>25"	≥3"
Most common species	Ponderosa Pine	Ponderosa Pine	--	--	Ponderosa Pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	867	67	0	0	934
Live	800	67	0	0	867
Dead	67	0	0	0	67
Avg DBH (in)	5.3	10.9	--	--	5.7
Live	5.5	10.9	--	--	5.9
Dead	3.5	--	--	--	3.5
Avg height (ft)	27.5	44.0	--	--	28.6
Live	28.3	44.0	--	--	29.5
Dead	17.5	--	--	--	17.5
Avg ladder fuel height (ft)	13.5	12.5	--	--	13.5
Live	13.6	12.5	--	--	13.5
Dead	12.3	--	--	--	12.3
Avg height to live crown (ft)	18.3	24.3	--	--	18.7

## PNW 1-PP-2 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N/A  
SAF cover type: Interior Ponderosa Pine  
Elevation: N/A      Slope: N/A      Aspect: N/A

#### STAND INFORMATION

Trees (% of stems): Ponderosa pine (100)  
Crown closure: 70%      Standing dead trees: 2%  
Seedling density: N/A      Duff and Litter Depth: 1.6 in

#### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.1	--	0.1	--	--	--
0.26 – 1.0	1.5	--	1.5	--	--	--
1.1 – 3.0	1.2	--	1.2	--	--	--
3.1 – 9.0	0.8	--	0.8	--	--	--
9.1 – 20.0	1.7	--	1.7	--	--	--
>20.0	0.0	--	0.0	--	--	--
Total	5.3	--	5.3	--	--	--

#### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	Strawberry	--	Bitterbrush
Other common species	--	--	--
Loading (lbs/ac)	20.00	0.00	N/A
Total cover (%)	5	0	5
Mean height (ft)	0.1	--	2.0

## Wide View

No Image  
Available

### OVERSTORY

	Size Class (Diameter at Breast Height)				
	<8" Live & Dead	>8" Dead	8 – 20" Live	>20" Live	≥1" Live & Dead
Most common species	Ponderosa pine	Ponderosa pine	Ponderosa pine	Ponderosa pine	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	200	9	155	10	374
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg DBH (in)	4.0	15.0	13.0	28.0	8.6
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height (ft)	27.0	30.0	66.0	118.0	45.7
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg ladder fuel height (ft)	--	--	--	--	--
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height to live crown (ft)	13.0	--	32.0	68.0	22.0

## SW 2-PP-2 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N 35° 16' 19.7" W 111° 45' 59.4"  
 SAF cover type: Interior Ponderosa Pine  
 Elevation: 7167 ft      Slope: 4%      Aspect: Southeast

#### STAND INFORMATION

Trees (% of stems): <i>Pinus ponderosa</i> (100)	Standing dead trees: 0%
Crown closure: 71%	Sapling density: 0/ac
Seedling density: 0/ac	Litter depth: 1.0 in
	Duff depth: 0.6 in

#### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.1	0.0	0.1	--	--	--
0.26 – 1.0	1.4	0.0	1.4	--	--	--
1.1 – 3.0	1.1	0.0	1.1	--	--	--
3.1 – 9.0	0.2	0.6	0.9	3	10	13
9.0 – 20.0	0.0	2.1	2.1	0	6	6
>20.0	0.0	0.0	0.0	0	0	0
Total	2.8	2.7	5.6	3	16	19

#### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	--	Bottlebrush squirreltail	--
Other common species	--	--	--
Loading (lbs/ac)	0.00	7.50	0.00
Total cover (%)	0	1	0
Mean height (ft)	--	0.7	--

## Wide View



## OVERSTORY

	Size Class (Diameter at Breast Height)				
	3 – 9"	9 – 16"	16 – 25"	>25"	≥3"
Most common species	Ponderosa pine	Ponderosa pine	Ponderosa pine	--	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	133	150	33	0	317
Live	133	150	33	0	317
Dead	0	0	0	0	0
Avg DBH (in)	6.4	12.8	16.5	--	10.5
Live	6.4	12.8	16.5	--	10.5
Dead	--	--	--	--	--
Avg height (ft)	33.2	52.1	56.6	--	44.6
Live	33.2	52.1	56.6	--	44.6
Dead	--	--	--	--	--
Avg ladder fuel height (ft)	14.5	21.4	24.1	--	18.8
Live	14.5	21.4	24.1	--	18.8
Dead	--	--	--	--	--
Avg height to live crown (ft)	22.5	32.8	34.3	--	28.6

## PSW 3-PP-2 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N/A  
SAF cover type: Pacific Ponderosa Pine  
Elevation: N/A      Slope: N/A      Aspect: N/A

#### STAND INFORMATION

Trees (% of stems): Ponderosa pine (100)  
Crown closure: N/A      Standing dead trees: N/A  
Seedling density: N/A      Duff and Litter Depth: 0.8 in

#### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.1	--	0.1	--	--	--
0.26 – 1.0	0.5	--	0.5	--	--	--
1.1 – 3.0	0.7	--	0.7	--	--	--
3.1 – 9.0	0.9	--	0.9	--	--	--
9.1 – 20.0	4.0	--	4.0	--	--	--
>20.0	0.0	--	0.0	--	--	--
Total	6.2	--	6.2	--	--	--

#### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	--	--	--
Other common species	--	--	--
Loading (lbs/ac)	N/A	N/A	N/A
Total cover (%)	--	--	--
Mean height (ft)	--	--	--

## Wide View

No Image  
Available

### OVERSTORY

	Size Class (Diameter at Breast Height)				
	<8" Live & Dead	>8" Dead	8 – 20" Live	>20" Live	≥1" Live & Dead
Most common species	--	--	--	--	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	N/A	N/A	N/A	N/A	N/A
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg DBH (in)	--	--	--	--	5.0
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height (ft)	--	--	--	--	17.0
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg ladder fuel height (ft)	--	--	--	--	N/A
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height to live crown (ft)	--	--	--	--	3.0

## BH 2-PP-2 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N/A  
SAF cover type: Interior Ponderosa Pine  
Elevation: N/A      Slope: N/A      Aspect: West

#### STAND INFORMATION

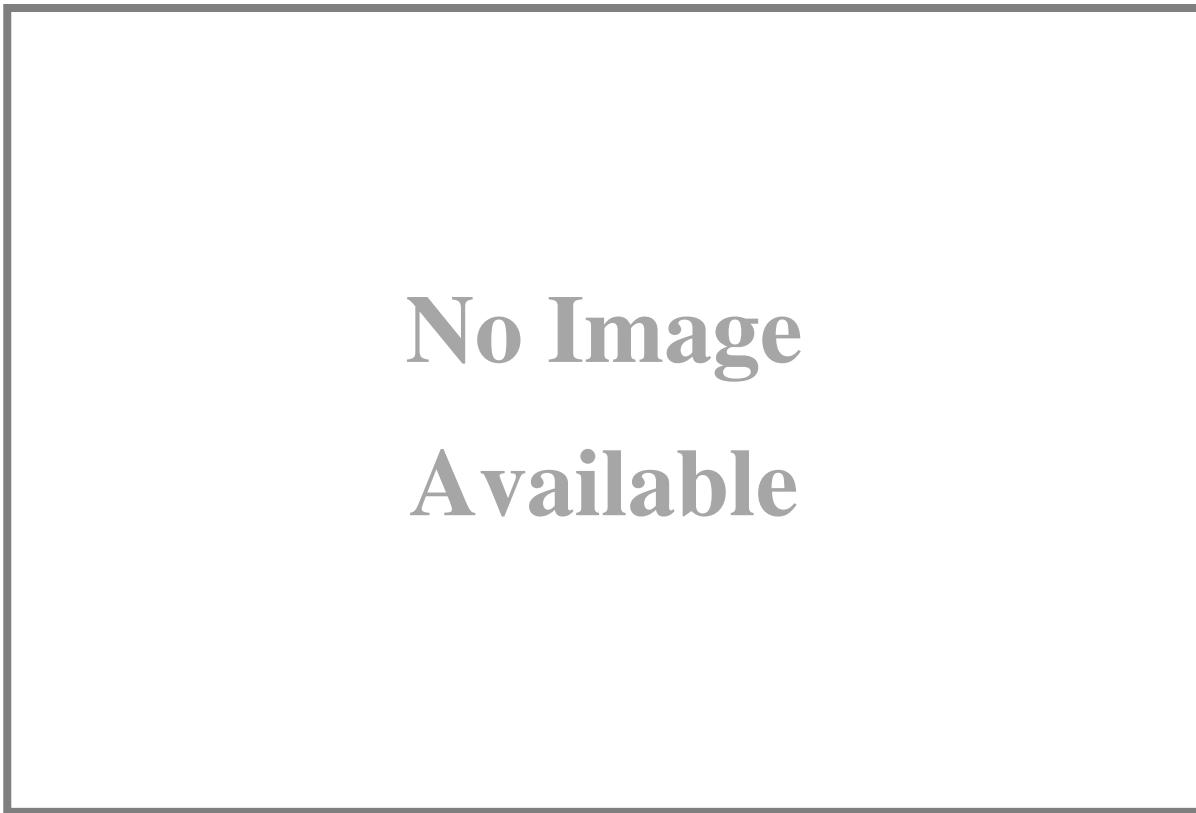
Trees (% of stems): Ponderosa pine (100)  
Crown closure: 90%      Standing dead trees: 0%  
Seedling density: N/A      Duff and Litter Depth: 1.1in

#### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
<0.25	0.1	0.0	0.1	--	--	--
0.26 – 1.0	0.3	0.0	0.3	--	--	--
1.1 – 3.0	0.4	0.0	0.4	--	--	--
3.1 – 9.0	1.6	0.0	1.6	--	--	--
9.1 – 20.0	2.2	0.0	2.2	--	--	--
>20.0	3.6	0.0	3.6	--	--	--
Total	8.2	0.0	8.2	--	--	--

#### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	--	N/A	--
Other common species	--	--	--
Loading (lbs/ac)	0.00	200.00	0.00
Total cover (%)	0	12	0
Mean height (ft)	--	0.6	--

**Wide View****OVERSTORY**

	Size Class (Diameter at Breast Height)				
	<8" Live & Dead	>8" Dead	8 – 20" Live	>20" Live	≥1" Live & Dead
Most common species	Ponderosa pine	--	Ponderosa pine	--	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	350	0	203	0	503
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg DBH (in)	2.6	--	9.0	--	5.4
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height (ft)	18.0	--	50.0	--	32.7
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg ladder fuel height (ft)	--	--	--	--	--
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height to live crown (ft)	8.7	--	20.0	--	14.1

## PNW 2-PP-2 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N/A  
 SAF cover type: Interior Ponderosa Pine  
 Elevation: N/A      Slope: N/A      Aspect: N/A

#### STAND INFORMATION

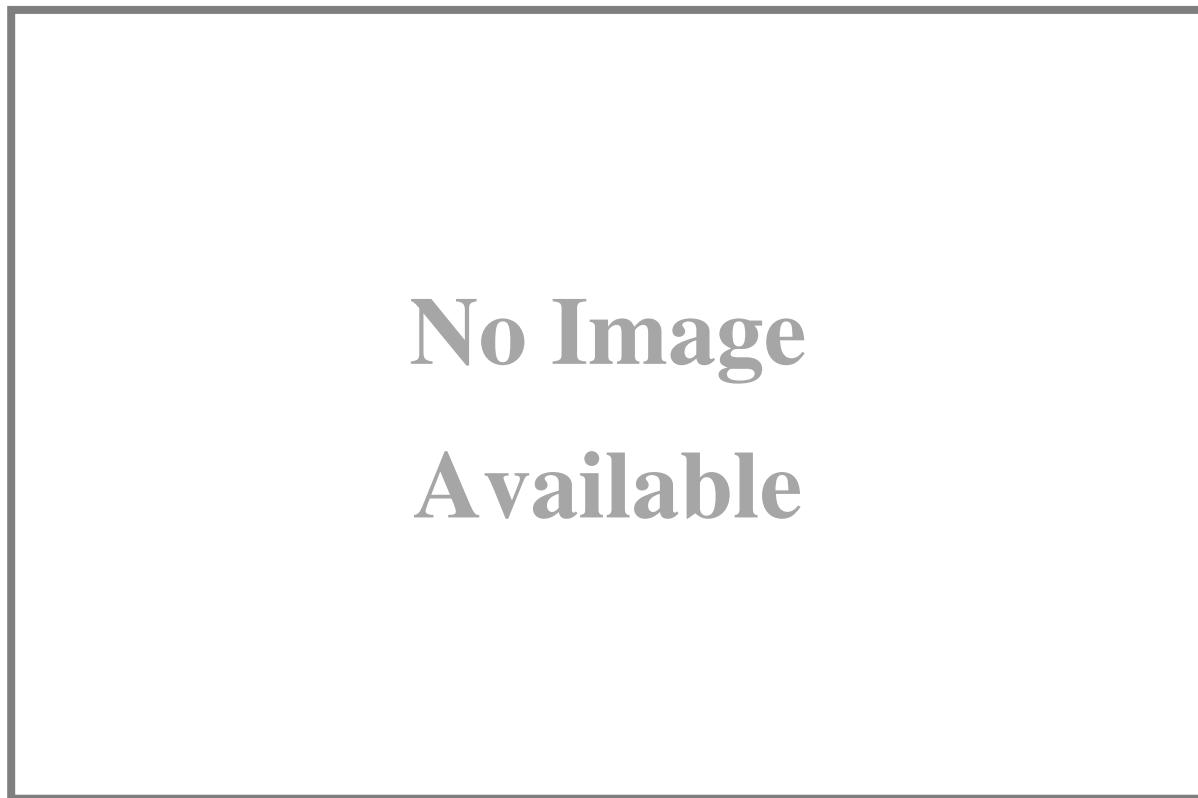
Trees (% of stems): Ponderosa pine (100)	
Crown closure: 50%	Standing dead trees: 4%
Seedling density: N/A	Duff and Litter Depth: 1.2 in

#### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.0	--	0.0	--	--	--
0.26 – 1.0	1.5	--	1.5	--	--	--
1.1 – 3.0	1.5	--	1.5	--	--	--
3.1 – 9.0	3.4	--	3.4	--	--	--
9.1 – 20.0	2.1	--	2.1	--	--	--
>20.0	0.0	--	0.0	--	--	--
Total	8.5	--	8.5	--	--	--

#### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	--	Pinegrass	Snowberry
Other common species	--	--	--
Loading (lbs/ac)	0.00	600.00	N/A
Total cover (%)	0	20	6
Mean height (ft)	--	0.8	0.9

**Wide View****OVERSTORY**

	Size Class (Diameter at Breast Height)				
	<8" Live & Dead	>8" Dead	8 – 20" Live	>20" Live	≥1" Live & Dead
Most common species	Ponderosa pine	Ponderosa pine	Ponderosa pine	--	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	450	26	145	0	621
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg DBH (in)	4.0	10.0	10.0	--	5.7
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height (ft)	27.0	48.0	49.0	--	33.0
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg ladder fuel height (ft)	--	--	--	--	--
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height to live crown (ft)	9.0	--	27.0	--	13.4

## PSW 4-PP-2 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N/A  
SAF cover type: Pacific Ponderosa Pine  
Elevation: N/A      Slope: N/A      Aspect: N/A

#### STAND INFORMATION

Trees (% of stems): Ponderosa pine (100)  
Crown closure: N/A      Standing dead trees: N/A  
Seedling density: N/A      Duff and Litter Depth: 3.0 in

#### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.5	--	0.5	--	--	--
0.26 – 1.0	1.1	--	1.1	--	--	--
1.1 – 3.0	2.1	--	2.1	--	--	--
3.1 – 9.0	5.5	--	5.5	--	--	--
9.1 – 20.0	0.7	--	0.7	--	--	--
>20.0	0.0	--	0.0	--	--	--
Total	9.9	--	9.9	--	--	--

#### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	--	--	--
Other common species	--	--	--
Loading (lbs/ac)	N/A	N/A	N/A
Total cover (%)	--	--	--
Mean height (ft)	--	--	--

No Image  
Available

## OVERSTORY

	Size Class (Diameter at Breast Height)				
	<8" Live & Dead	>8" Dead	8 – 20" Live	>20" Live	≥1" Live & Dead
Most common species	--	--	--	--	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	N/A	N/A	N/A	N/A	N/A
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg DBH (in)	--	--	--	--	9.0
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height (ft)	--	--	--	--	35.0
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg ladder fuel height (ft)	--	--	--	--	N/A
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height to live crown (ft)	--	--	--	--	24.0

## PNW 3-PP-2 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N/A		
SAF cover type: Interior Ponderosa Pine		
Elevation: N/A	Slope: N/A	Aspect: N/A

#### STAND INFORMATION

Trees (% of stems): Ponderosa pine (100)	
Crown closure: 60%	Standing dead trees: 0%
Seedling density: N/A	Duff and Litter Depth: 1.2 in

#### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.1	--	0.1	--	--	--
0.26 – 1.0	1.0	--	1.0	--	--	--
1.1 – 3.0	2.5	--	2.5	--	--	--
3.1 – 9.0	2.3	--	2.3	--	--	--
9.1 – 20.0	3.4	--	3.4	--	--	--
>20.0	4.5	--	4.5	--	--	--
Total	13.8	--	13.8	--	--	--

#### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	--	Bluebunch wheatgrass	Bitterbrush
Other common species	--	--	--
Loading (lbs/ac)	0.00	600.00	N/A
Total cover (%)	0	30	16
Mean height (ft)	--	1.0	1.9

## Wide View

No Image  
Available

## OVERSTORY

	Size Class (Diameter at Breast Height)				
	<8" Live & Dead	>8" Dead	8 – 20" Live	>20" Live	≥1" Live & Dead
Most common species	Ponderosa pine	--	Ponderosa pine	--	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	150	0	81	0	231
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg DBH (in)	6.0	--	11.0	--	7.8
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height (ft)	21.0	--	41.0	--	28.0
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg ladder fuel height (ft)	--	--	--	--	--
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height to live crown (ft)	9.0	--	12.0	--	10.1

## SW 3-PP-2 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N 35° 157' 42.8" W 111° 47' 54.1"  
 SAF cover type: Interior Ponderosa Pine  
 Elevation: 7670 ft      Slope: 18%      Aspect: South

#### STAND INFORMATION

Trees (% of stems): <i>Pinus ponderosa</i> (100)	Standing dead trees: 19%
Crown closure: 70%	Sapling density: 50/ac
Seedling density: 0/ac	Duff depth: 0.7 in
Litter depth: 1.8 in	

### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.5	0.0	0.5	--	--	--
0.26 – 1.0	1.4	0.0	1.4	--	--	--
1.1 – 3.0	2.2	0.0	2.2	--	--	--
3.1 – 9.0	5.8	1.7	7.5	101	39	140
9.0 – 20.0	0.0	0.0	0.0	0	1	1
>20.0	0.0	2.7	2.7			
Total	9.9	4.4	14.3	101	40	141

### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	Fendler's bladderpod	Mountain muhly	--
Other common species	--	--	--
Loading (lbs/ac)	33.55	38.43	0.00
Total cover (%)	1	1	0
Mean height (ft)	0.4	0.7	--

## BH 2-PP-2 Southwest Ponderosa Pine

### Wide View



### OVERSTORY

	Size Class (Diameter at Breast Height)				
	3 – 9"	9 – 16"	16 – 25"	>25"	≥3"
Most common species	Ponderosa pine	Ponderosa pine	Ponderosa pine	--	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	283	183	50	0	517
Live	183	183	50	0	417
Dead	100	0	0	0	100
Avg DBH (in)	5.8	11.7	16.8	--	9.0
Live	6.2	11.7	16.8	--	9.9
Dead	5.2	--	--	--	5.2
Avg height (ft)	38.6	54.9	67.0	--	47.1
Live	41.6	54.9	67.0	--	50.5
Dead	33.1	--	--	--	33.1
Avg ladder fuel height (ft)	21.5	25.8	27.1	--	23.5
Live	23.4	25.8	27.1	--	24.9
Dead	18.0	--	--	--	18.0
Avg height to live crown (ft)	18.2	34.1	35.9	--	25.6

## SW 4-PP-2 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N 34° 57' 09.1" W 111° 32' 22.6"  
SAF cover type: Interior Ponderosa Pine  
Elevation: 7566 ft      Slope: 5%      Aspect: Southeast

#### STAND INFORMATION

Trees (% of stems): *Pinus ponderosa* (79), *Quercus gambelii* (21)  
Crown closure: 62%      Standing dead trees: 29%  
Seedling density: 6083/ac      Sapling density: 0/ac  
Litter depth: 1.9 in      Duff depth: 0.6 in

### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.1	0.0	0.1	--	--	--
0.26 – 1.0	0.7	0.0	0.7	--	--	--
1.1 – 3.0	2.0	0.0	2.0	--	--	--
3.1 – 9.0	8.4	2.8	11.3	117	47	165
9.0 – 20.0	1.9	2.6	4.5	7	6	13
>20.0	0.0	0.0	0.0	0	0	0
Total	13.1	5.4	18.5	125	53	178

### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	Silver lupine	Bottlebrush squirreltail	--
Other common species	--	Arizona fescue	--
Loading (lbs/ac)	312.86	32.71	0.00
Total cover (%)	4	1	0
Mean height (ft)	0.2	0.0	--

**BH 2-PP-2 Southwest Ponderosa Pine****Wide View****OVERSTORY**

	Size Class (Diameter at Breast Height)				
	3 – 9"	9 – 16"	16 – 25"	>25"	≥3"
Most common species	Gambel oak	Ponderosa pine	Ponderosa pine	--	Ponderosa pine
Second most common species	Ponderosa pine	--	--	--	Gambel oak
Tree density (stems/ac)	67	150	17	0	233
Live	50	100	17	0	167
Dead	17	50	0	0	67
Avg DBH (in)	6.7	11.7	17.1	--	10.7
Live	6.1	12.4	17.1	--	11.0
Dead	8.4	10.3	--	--	9.9
Avg height (ft)	28.4	55.5	55.4	--	47.7
Live	22.1	59.5	55.4	--	47.9
Dead	47.3	47.4	--	--	47.4
Avg ladder fuel height (ft)	12.1	27.6	32.4	--	23.5
Live	6.8	30.2	32.4	--	23.4
Dead	27.7	22.3	--	--	23.7
Avg height to live crown (ft)	8.4	26.2	44.6	--	22.4

## SW 5-PP-2 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N 34° 41' 00.4" W 111° 26' 20.5"  
SAF cover type: Interior Ponderosa Pine  
Elevation: 6888 ft      Slope: 2%      Aspect: Southwest

#### STAND INFORMATION

Trees (% of stems): *Pinus ponderosa* (100)  
Crown closure: 65%      Standing dead trees: 5%  
Seedling density: 0/ac      Sapling density: 0/ac  
Litter depth: 1.1 in      Duff depth: 0.6 in

### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.1	0.0	0.1	--	--	--
0.26 – 1.0	0.6	0.0	0.6	--	--	--
1.1 – 3.0	1.9	0.0	1.9	--	--	--
3.1 – 9.0	2.8	5.7	8.5	59	134	193
9.1 – 20.0	3.6	6.6	10.2	7	15	22
>20.0	0.0	0.0	0.0	0	0	0
Total	9.0	12.3	21.3	67	148	215

### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	--	Bottlebrush squirreltail	--
Other common species	--	--	--
Loading (lbs/ac)	0.00	64.37	0.00
Total cover (%)	0	2	0
Mean height (ft)	--	0.6	--

**BH 2-PP-2 Southwest Ponderosa Pine****Wide View****OVERSTORY**

	Size Class (Diameter at Breast Height)				
	3 - 9"	9 - 16"	16 - 25"	>25"	≥3"
Most common species	Ponderosa pine	Ponderosa pine	--	--	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	233	133	0	0	367
Live	217	133	0	0	350
Dead	17	0	0	0	17
Avg DBH (in)	6.0	11.1	--	--	7.9
Live	6.1	11.1	--	--	8.0
Dead	4.3	--	--	--	4.3
Avg height (ft)	43.6	54.9	--	--	47.7
Live	45.8	54.9	--	--	49.3
Dead	14.3	--	--	--	14.3
Avg ladder fuel height (ft)	25.5	32.0	--	--	27.8
Live	27.5	32.0	--	--	29.2
Dead	--	--	--	--	--
Avg height to live crown (ft)	30.1	36.4	--	--	32.4

## SW 6-PP-2 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N 34° 26' 33.9" W 111° 26' 18.8"  
SAF cover type: Interior Ponderosa Pine  
Elevation: 7138 ft      Slope: 19%      Aspect: West

#### STAND INFORMATION

Trees (% of stems): *Pinus ponderosa* (91), *Quercus gambelii* (9)  
Crown closure: 73%      Standing dead trees: 17%  
Seedling density: 1083/ac      Sapling density: 17/ac  
Litter depth: 1.8 in      Duff depth: 1.5 in

### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.2	0.0	0.2	--	--	--
0.26 – 1.0	1.2	0.0	1.2	--	--	--
1.1 – 3.0	5.5	0.0	5.5	--	--	--
3.1 – 9.0	2.9	11.1	14.0	53	338	392
9.0 – 20.0	0.0	0.7	0.7	0	4	4
>20.0	0.0	0.0	0.0	0	0	0
Total	9.8	11.8	21.6	53	343	396

### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	Common mullein	Mountain muhly	--
Other common species	--	--	--
Loading (lbs/ac)	530.12	15.97	na
Total cover (%)	1	1	na
Mean height (ft)	1.2	1.0	--

**BH 2-PP-2 Southwest Ponderosa Pine****Wide View****OVERSTORY**

	Size Class (Diameter at Breast Height)				
	3 - 9"	9 - 16"	16 - 25"	>25"	≥3"
Most common species	Ponderosa pine	Ponderosa pine	Gambel oak	--	Ponderosa pine
Second most common species	--	Gambel oak	--	--	Gambel oak
Tree density (stems/ac)	200	167	17	0	383
Live	133	167	17	0	317
Dead	67	0	0	0	67
Avg DBH (in)	6.8	12.8	23.4	--	10.1
Live	6.8	12.8	23.4	--	10.8
Dead	6.8	--	--	--	6.8
Avg height (ft)	38.8	60.1	60.5	--	49.0
Live	43.7	60.1	60.5	--	53.2
Dead	29.2	--	--	--	29.2
Avg ladder fuel height (ft)	23.3	32.3	18.0	--	27.0
Live	28.6	32.3	18.0	--	30.0
Dead	12.8	--	--	--	12.8
Avg height to live crown (ft)	21.4	39.5	30.0	--	29.6

## PNW 4-PP-2 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N/A  
 SAF cover type: Interior Ponderosa Pine  
 Elevation: N/A      Slope: N/A      Aspect: N/A

#### STAND INFORMATION

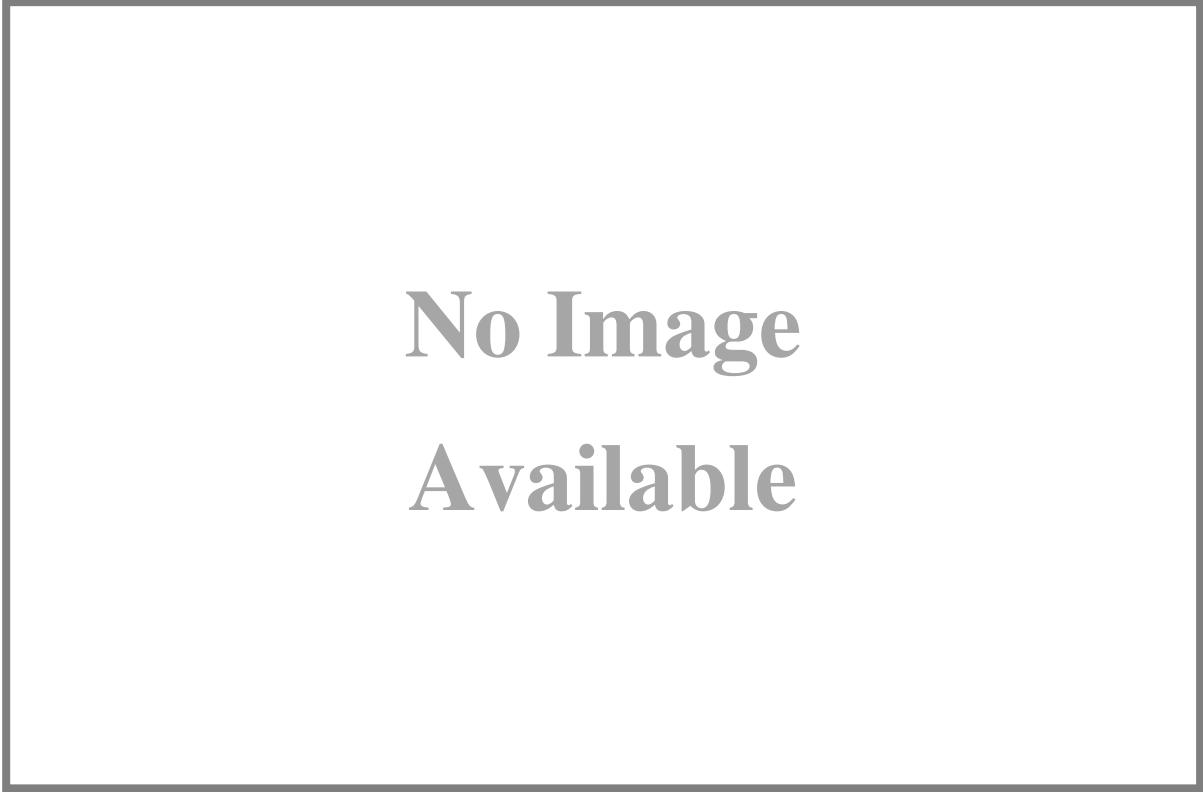
Trees (% of stems): Ponderosa pine (100)	
Crown closure: 50%	Standing dead trees: 8%
Seedling density: N/A	Duff and Litter Depth: 1.0 in

#### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.1	--	0.1	--	--	--
0.26 – 1.0	2.7	--	2.7	--	--	--
1.1 – 3.0	3.7	--	3.7	--	--	--
3.1 – 9.0	8.6	--	8.6	--	--	--
9.1 – 20.0	7.9	--	7.9	--	--	--
>20.0	16.2	--	16.2	--	--	--
Total	39.2	--	39.2	--	--	--

#### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	--	Pinegrass	Wildrose
Other common species	--	--	--
Loading (lbs/ac)	0.00	700.00	N/A
Total cover (%)	0	46	6
Mean height (ft)	--	0.5	1.0



No Image

Available

### OVERSTORY

	Size Class (Diameter at Breast Height)				
	<8" Live & Dead	>8" Dead	8 – 20" Live	>20" Live	≥1" Live & Dead
Most common species	Ponderosa pine	Ponderosa pine	Ponderosa pine	--	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	200	23	61	0	284
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg DBH (in)	4.0	14.0	10.0	--	6.1
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height (ft)	19.0	35.0	42.0	--	25.2
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg ladder fuel height (ft)	--	--	--	--	--
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height to live crown (ft)	11.0	--	14.0	--	11.7

## SW 7-PP-2 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N 34° 27' 06.9" W 111° 26' 39.3"  
 SAF cover type: Interior Ponderosa Pine  
 Elevation: 7259 ft      Slope: 20%      Aspect: South

#### STAND INFORMATION

Trees (% of stems): <i>Pinus ponderosa</i> (76), <i>Quercus gambelii</i> (24)	
Crown closure: 39%	Standing dead trees: 28%
Seedling density: 750/ac	Sapling density: 17/ac
Litter depth: 0.8 in	Duff depth: 1.1 in

### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.4	0.0	0.4	--	--	--
0.26 – 1.0	2.6	0.0	2.6	--	--	--
1.1 – 3.0	5.8	0.0	5.8	--	--	--
3.1 – 9.0	14.3	9.7	24.0	160	153	313
9.0 – 20.0	5.0	10.7	15.7	11	31	42
>20.0	3.7	2.3	6.0	3	1	4
Total	31.8	22.7	54.5	174	185	359

### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	Fendler's meadow rue	Bottlebrush squirrel ail	--
Other common species	Common mullein	--	--
Loading (lbs/ac)	657.61	28.90	na
Total cover (%)	4	1	na
Mean height (ft)	2.1	0.4	--

**BH 2-PP-2 Southwest Ponderosa Pine****Wide View****OVERSTORY**

	Size Class (Diameter at Breast Height)				
	3 – 9"	9 – 16"	16 – 25"	>25"	≥3"
Most common species	Ponderosa pine	Ponderosa pine	Gambel oak	--	Ponderosa pine
Second most common species	Gambel oak	Gambel oak	--	--	Gambel oak
Tree density (stems/ac)	233	167	17	0	417
Live	183	100	17	0	300
Dead	50	67	0	0	117
Avg DBH (in)	5.7	11.0	17.1	--	8.3
Live	5.8	11.9	17.1	--	8.5
Dead	5.4	9.7	--	--	7.9
Avg height (ft)	28.5	36.2	40.7	--	32.1
Live	28.1	42.5	40.7	--	33.6
Dead	29.8	26.9	--	--	28.1
Avg ladder fuel height (ft)	16.9	14.6	8.9	--	15.7
Live	15.0	17.0	8.9	--	15.3
Dead	24.1	11.0	--	--	16.6
Avg height to live crown (ft)	13.2	11.5	8.9	--	12.4



# **SOUTHWEST U.S**

## **PONDEROSA PINE PHOTO SERIES**

### **SIZE CLASS III**

(AVERAGE D.B.H. 11.0 – 20.0 INCHES)

A SERIES OF 14 NATURAL SITES

#### **NOTES TO USERS:**

1. The sites in this series are ordered from lightest to heaviest woody material loading.
2. A list of scientific and common species names can be found on page X.
3. The marker in these photographs is a 1-foot square, and the pole is painted in contrasting colors at 1-foot intervals. The pole is 30 feet from the camera and all sampling occurs beyond that point.
4. Woody material and forest floor loading are reported in tons per acre. Understory loading is reported in pounds per acre.
5. Overstory size class ranges for Southwest (SW) sites are different from those of the Pacific Northwest (PNW), Pacific Southwest (PSW), and Black Hills (BH).

## PNW 1-PP-3 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N/A  
 SAF cover type: Interior Ponderosa Pine  
 Elevation: N/A      Slope: N/A      Aspect: N/A

#### STAND INFORMATION

Trees (% of stems): Ponderosa pine (100)	
Crown closure: 26%	Standing dead trees: 0%
Seedling density: 50/ac	Duff and Litter Depth: 1.8 in

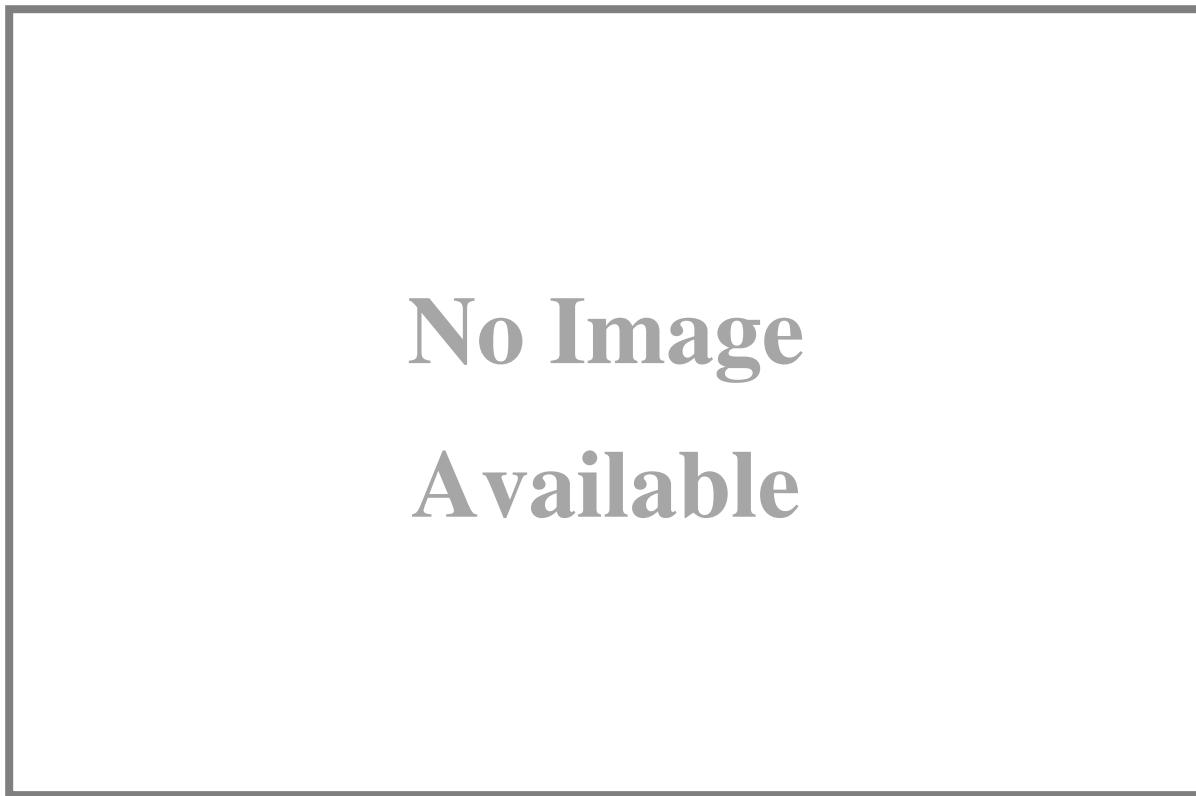
#### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.1	--	0.1	--	--	--
0.26 – 1.0	0.4	--	0.4	--	--	--
1.1 – 3.0	0.7	--	0.7	--	--	--
3.1 – 9.0	0.4	--	0.4	--	--	--
9.1 – 20.0	0.0	--	0.0	--	--	--
>20.0	0.0	--	0.0	--	--	--
Total	1.6	--	1.6	--	--	--

#### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	--	Idaho fescue	Bitterbrush
Other common species	--	--	--
Loading (lbs/ac)	0.00	120.00	N/A
Total cover (%)	0	4	18
Mean height (ft)	--	0.4	1.9

## Wide View



## OVERSTORY

	Size Class (Diameter at Breast Height)				
	<8" Live & Dead	>8" Dead	8 – 20" Live	>20" Live	≥1" Live & Dead
Most common species	Ponderosa pine	--	Ponderosa pine	Ponderosa pine	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	50*	0	23	12	35
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg DBH (in)	1.0	--	16.0	27.0	19.8 <sup>1</sup>
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height (ft)	3.0	--	58.0	81.0	65.9 <sup>1</sup>
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg ladder fuel height (ft)	--	--	--	--	--
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height to live crown (ft)	1.0	--	40.0	62.0	47.5 <sup>1</sup>

## PSW 1-PP-3 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N/A  
SAF cover type: Pacific Ponderosa Pine  
Elevation: N/A      Slope: N/A      Aspect: N/A

#### STAND INFORMATION

Trees (% of stems): Ponderosa pine (100)  
Crown closure: N/A      Standing dead trees: N/A  
Seedling density: N/A      Duff and Litter Depth: 2.2 in

#### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.1	--	0.1	--	--	--
0.26 – 1.0	0.2	--	0.2	--	--	--
1.1 – 3.0	0.4	--	0.4	--	--	--
3.1 – 9.0	1.1	--	1.1	--	--	--
9.1 – 20.0	0.0	--	0.0	--	--	--
>20.0	0.0	--	0.0	--	--	--
Total	1.8	--	1.8	--	--	--

#### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	--	--	--
Other common species	--	--	--
Loading (lbs/ac)	N/A	N/A	N/A
Total cover (%)	--	--	--
Mean height (ft)	--	--	--

**Wide View**

No Image  
Available

**OVERSTORY**

	Size Class (Diameter at Breast Height)				
	<8" Live & Dead	>8" Dead	8 – 20" Live	>20" Live	≥1" Live & Dead
Most common species	--	--	--	--	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	N/A	N/A	N/A	N/A	N/A
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg DBH (in)	--	--	--	--	19.0
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height (ft)	--	--	--	--	55.0
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg ladder fuel height (ft)	--	--	--	--	N/A
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height to live crown (ft)	--	--	--	--	33.0

## PSW 2-PP-3 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N/A  
SAF cover type: Pacific Ponderosa Pine  
Elevation: N/A      Slope: N/A      Aspect: N/A

#### STAND INFORMATION

Trees (% of stems): Ponderosa pine (100)  
Crown closure: N/A      Standing dead trees: N/A  
Seedling density: N/A      Duff and Litter Depth: 2.0 in

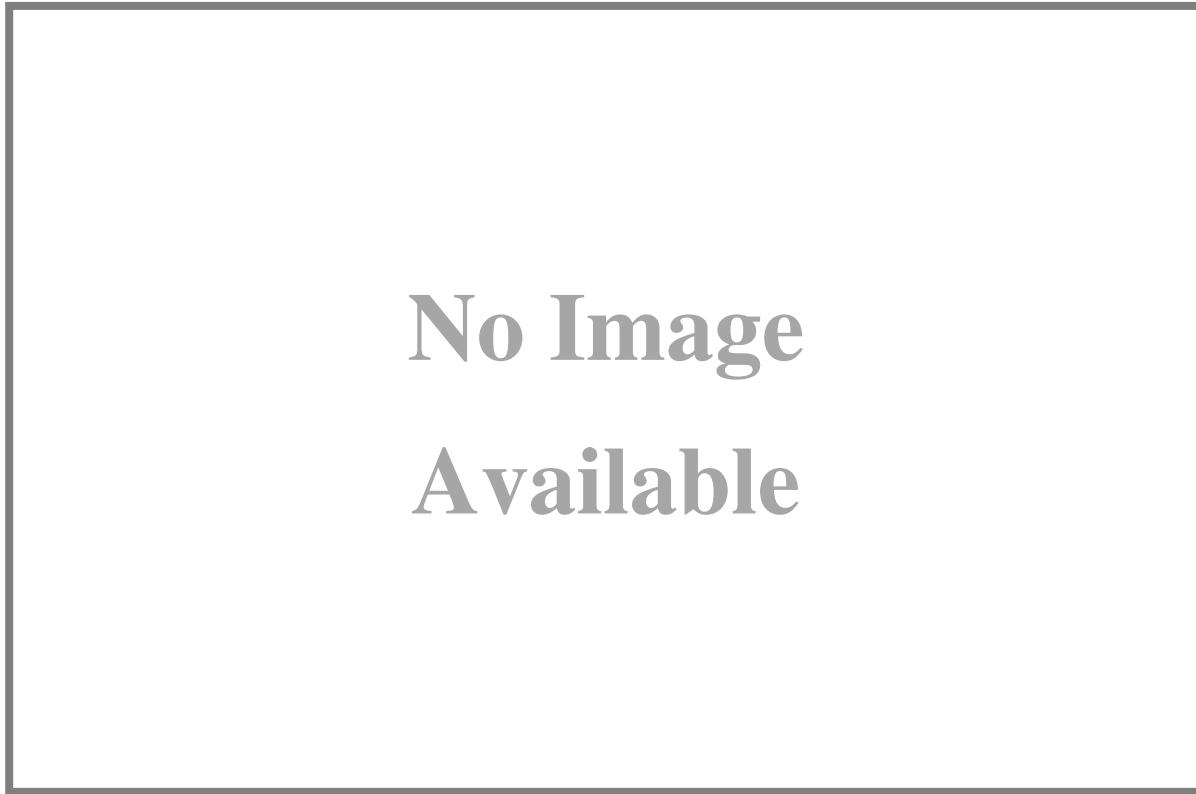
#### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.2	--	0.2	--	--	--
0.26 – 1.0	0.6	--	0.6	--	--	--
1.1 – 3.0	0.8	--	0.8	--	--	--
3.1 – 9.0	0.1	--	0.1	--	--	--
9.1 – 20.0	1.3	--	1.3	--	--	--
>20.0	0.0	--	0.0	--	--	--
Total	3.0	--	3.0	--	--	--

#### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	--	--	--
Other common species	--	--	--
Loading (lbs/ac)	N/A	N/A	N/A
Total cover (%)	--	--	--
Mean height (ft)	--	--	--

**Wide View**



**OVERSTORY**

	Size Class (Diameter at Breast Height)				
	<8" Live & Dead	>8" Dead	8 – 20" Live	>20" Live	≥1" Live & Dead
Most common species	--	--	--	--	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	N/A	N/A	N/A	N/A	N/A
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg DBH (in)	--	--	--	--	18.0
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height (ft)	--	--	--	--	49.0
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg ladder fuel height (ft)	--	--	--	--	N/A
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height to live crown (ft)	--	--	--	--	18.0

## SW 1-PP-3 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N 34° 04' 11.31" W 111° 36' 05.6"  
SAF cover type: Interior Ponderosa Pine  
Elevation: 7358 ft      Slope: 4%      Aspect: Northeast

#### STAND INFORMATION

Trees (% of stems): *Pinus ponderosa* (100)  
Crown closure: 65%      Standing dead trees: 0%  
Seedling density: 0/ac      Sapling density: 17/ac  
Litter depth: 0.6 in      Duff depth: 0.2 in

### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.1	0.0	0.1	--	--	--
0.26 – 1.0	0.4	0.0	0.4	--	--	--
1.1 – 3.0	1.2	0.0	1.2	--	--	--
3.1 – 9.0	1.4	0.1	1.5	25	6	31
9.0 – 20.0	0.0	0.0	0.0	0	0	0
>20.0	0.0	0.0	0.0	0	0	0
Total	3.1	0.1	3.2	25	6	31

### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	Silver lupine	Arizona fescue	--
Other common species	Rocky Mountain pussytoes	Bottlebrush squirreltail	--
Loading (lbs/ac)	2827.73	205.33	0.00
Total cover (%)	4	13	0
Mean height (ft)	0.6	0.6	--

**BH 2-PP-2 Southwest Ponderosa Pine****Wide View****OVERSTORY**

	Size Class (Diameter at Breast Height)				
	3 – 9”	9 – 16”	16 – 25”	>25”	≥3”
Most common species	--	Ponderosa pine	Ponderosa pine	--	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	0	100	17	0	117
Live	0	100	17	0	117
Dead	0	0	0	0	0
Avg DBH (in)	--	13.7	17.9	--	14.3
Live	--	13.7	17.9	--	14.3
Dead	--	--	--	--	--
Avg height (ft)	--	50.5	62.9	--	52.3
Live	--	50.5	62.9	--	52.3
Dead	--	--	--	--	--
Avg ladder fuel height (ft)	--	18.5	24.9	--	19.4
Live	--	18.5	24.9	--	19.4
Dead	--	--	--	--	--
Avg height to live crown (ft)	--	26.7	33	--	27.6

## BH 1-PP-3 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N/A  
SAF cover type: Interior Ponderosa Pine  
Elevation: N/A      Slope: N/A      Aspect: East

#### STAND INFORMATION

Trees (% of stems): Ponderosa pine (100)  
Crown closure: 70%      Standing dead trees: 0%  
Seedling density: N/A      Duff and Litter Depth: 1.7in

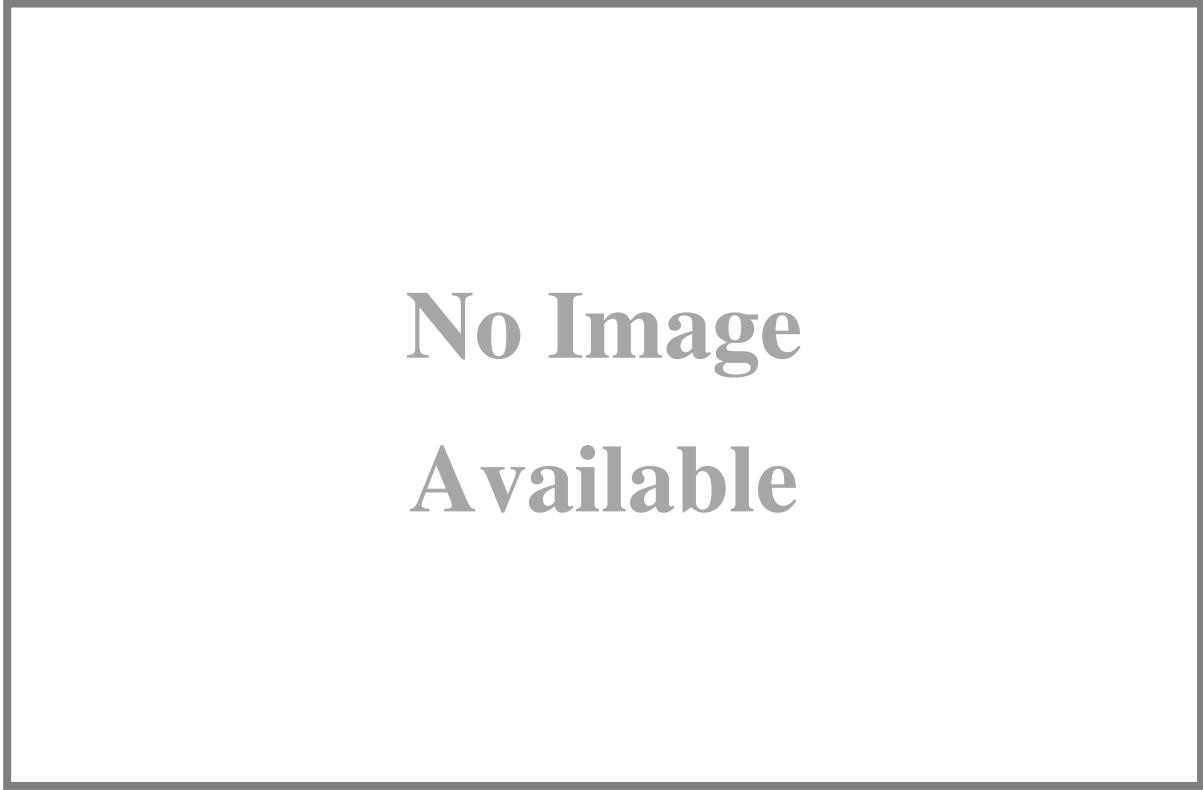
#### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.0	0.0	0.0	--	--	--
0.26 – 1.0	0.5	0.0	0.5	--	--	--
1.1 – 3.0	1.2	0.0	1.2	--	--	--
3.1 – 9.0	2.9	0.0	2.9	--	--	--
9.1 – 20.0	0.0	0.0	0	--	--	--
>20.0	0.0	0.0	0.0	--	--	--
Total	4.6	0.0	4.6	--	--	--

#### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	--	N/A	Kinnikinnic
Other common species	--	--	--
Loading (lbs/ac)	0.00	250.00	N/A
Total cover (%)	0	20	35
Mean height (ft)	--	0.7	0.3

## Wide View



No Image

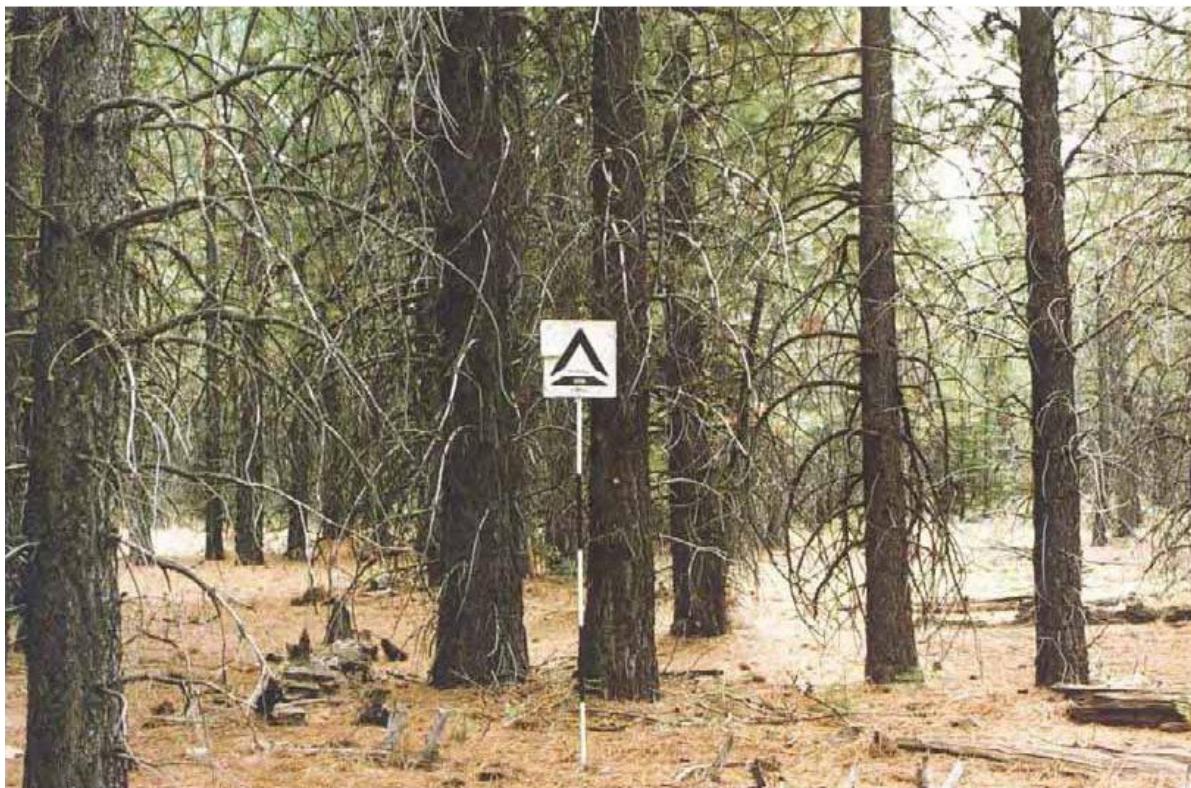
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## OVERSTORY

	Size Class (Diameter at Breast Height)				
	<8"	>8"	8 – 20"	>20"	≥1"
Live & Dead	Dead	Live	Live	Live & Dead	
Most common species	Ponderosa pine	--	Ponderosa pine	--	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	150	0	129	0	279
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg DBH (in)	6.6	--	11.5	--	8.9
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height (ft)	37.0	--	69.0	--	51.8
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg ladder fuel height (ft)	--	--	--	--	--
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height to live crown (ft)	21.0	--	31.0	--	25.6

## PSW 3-PP-3 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N/A  
 SAF cover type: Pacific Ponderosa Pine  
 Elevation: N/A      Slope: N/A      Aspect: N/A

#### STAND INFORMATION

Trees (% of stems): Ponderosa pine (100)	
Crown closure: N/A	Standing dead trees: N/A
Seedling density: N/A	Duff and Litter Depth: 2.0 in

#### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.2	--	0.2	--	--	--
0.26 – 1.0	0.5	--	0.5	--	--	--
1.1 – 3.0	1.1	--	1.1	--	--	--
3.1 – 9.0	1.5	--	1.5	--	--	--
9.1 – 20.0	1.7	--	1.7	--	--	--
>20.0	0.0	--	0.0	--	--	--
Total	5.0	--	5.0	--	--	--

#### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	--	--	--
Other common species	--	--	--
Loading (lbs/ac)	N/A	N/A	N/A
Total cover (%)	--	--	--
Mean height (ft)	--	--	--

**Wide View**

No Image  
Available

**OVERSTORY**

	Size Class (Diameter at Breast Height)				
	<8" Live & Dead	>8" Dead	8 – 20" Live	>20" Live	≥1" Live & Dead
Most common species	--	--	--	--	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	N/A	N/A	N/A	N/A	N/A
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg DBH (in)	--	--	--	--	16.0
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height (ft)	--	--	--	--	59.0
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg ladder fuel height (ft)	--	--	--	--	N/A
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height to live crown (ft)	--	--	--	--	23.0

## PNW 2-PP-3 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N/A  
 SAF cover type: Interior Ponderosa Pine  
 Elevation: N/A      Slope: N/A      Aspect: N/A

#### STAND INFORMATION

Trees (% of stems): Ponderosa pine (100)	
Crown closure: 70%	Standing dead trees: 30%
Seedling density: N/A	Duff and Litter Depth: 3.2 in

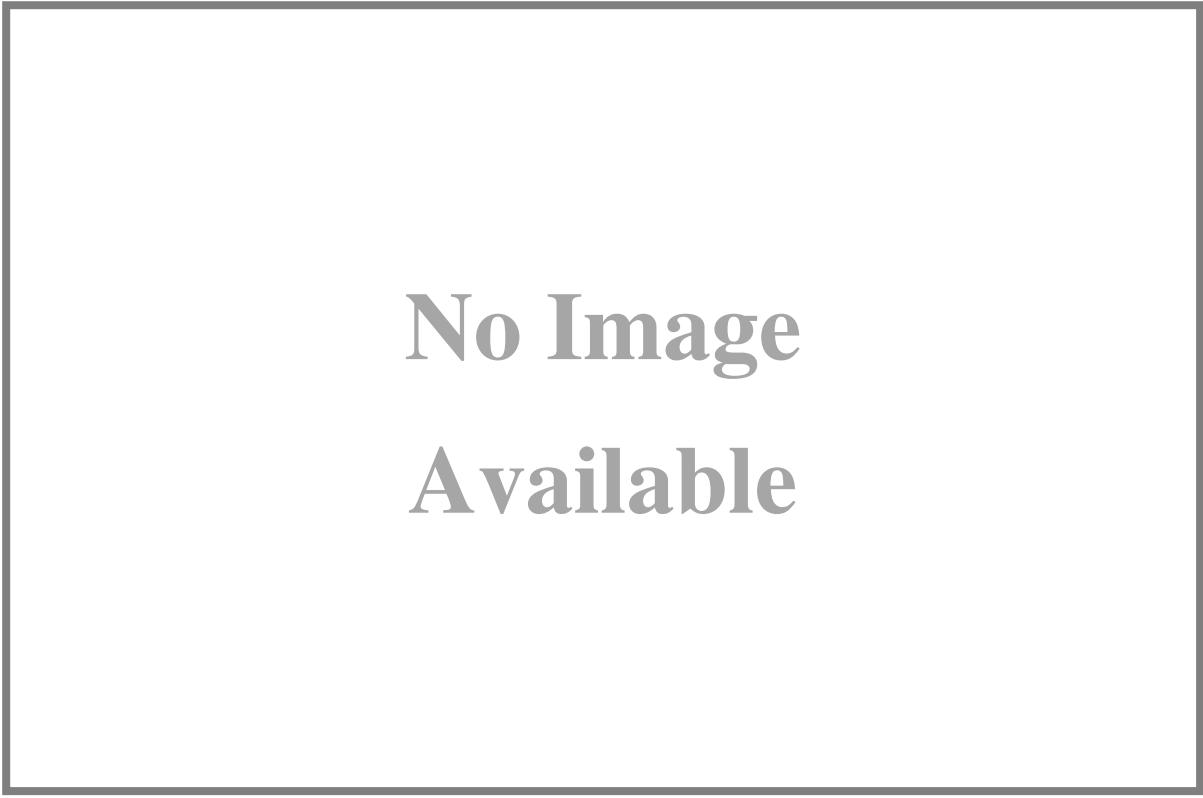
#### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.0	--	0.0	--	--	--
0.26 – 1.0	0.9	--	0.9	--	--	--
1.1 – 3.0	2.0	--	2.0	--	--	--
3.1 – 9.0	3.5	--	3.5	--	--	--
9.1 – 20.0	0.0	--	0.0	--	--	--
>20.0	0.0	--	0.0	--	--	--
Total	6.4	--	6.4	--	--	--

#### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	--	Idaho fescue	Spirea
Other common species	--	--	--
Loading (lbs/ac)	0.00	25.00	N/A
Total cover (%)	0	4	10
Mean height (ft)	--	0.3	2.1

## Wide View



No Image  
Available

## OVERSTORY

	Size Class (Diameter at Breast Height)				
	<8" Live & Dead	>8" Dead	8 – 20" Live	>20" Live	≥1" Live & Dead
Most common species	--	Ponderosa pine	Ponderosa pine	Ponderosa pine	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	0	64	116	36	216
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg DBH (in)	--	17.0	17.0	25.0	18.3
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height (ft)	--	74.0	100.0	120.0	95.6
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg ladder fuel height (ft)	--	--	--	--	--
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height to live crown (ft)	--	--	40.0	58.0	44.3

## PNW 3-PP-3 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N/A  
 SAF cover type: Interior Ponderosa Pine  
 Elevation: N/A      Slope: N/A      Aspect: N/A

#### STAND INFORMATION

Trees (% of stems): Ponderosa pine (100)	
Crown closure: 31%	Standing dead trees: 0%
Seedling density: N/A	Duff and Litter Depth: 1.6 in

#### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.1	--	0.1	--	--	--
0.26 – 1.0	0.6	--	0.6	--	--	--
1.1 – 3.0	1.6	--	1.6	--	--	--
3.1 – 9.0	0.4	--	0.4	--	--	--
9.1 – 20.0	0.0	--	0.0	--	--	--
>20.0	5.6	--	5.6	--	--	--
Total	8.3	--	8.3	--	--	--

#### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	--	Bottlebrush squirreltail	Bitterbrush
Other common species	--	--	--
Loading (lbs/ac)	0.00	30.00	N/A
Total cover (%)	0	3	9
Mean height (ft)	--	0.7	2.3

## Wide View

No Image  
Available

## OVERSTORY

	Size Class (Diameter at Breast Height)				
	<8" Live & Dead	>8" Dead	8 – 20" Live	>20" Live	≥1" Live & Dead
Most common species	Ponderosa pine	--	Ponderosa pine	--	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	50	0	186	0	236
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg DBH (in)	1.0	--	16.0	--	12.8
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height (ft)	2.0	--	94.0	--	74.5
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg ladder fuel height (ft)	--	--	--	--	--
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height to live crown (ft)	1.0	--	55.0	--	43.6

## PSW 4-PP-3 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N/A  
 SAF cover type: Pacific Ponderosa Pine  
 Elevation: N/A      Slope: N/A      Aspect: N/A

#### STAND INFORMATION

Trees (% of stems): Ponderosa pine (100)	
Crown closure: N/A	Standing dead trees: N/A
Seedling density: N/A	Duff and Litter Depth: 1.9 in

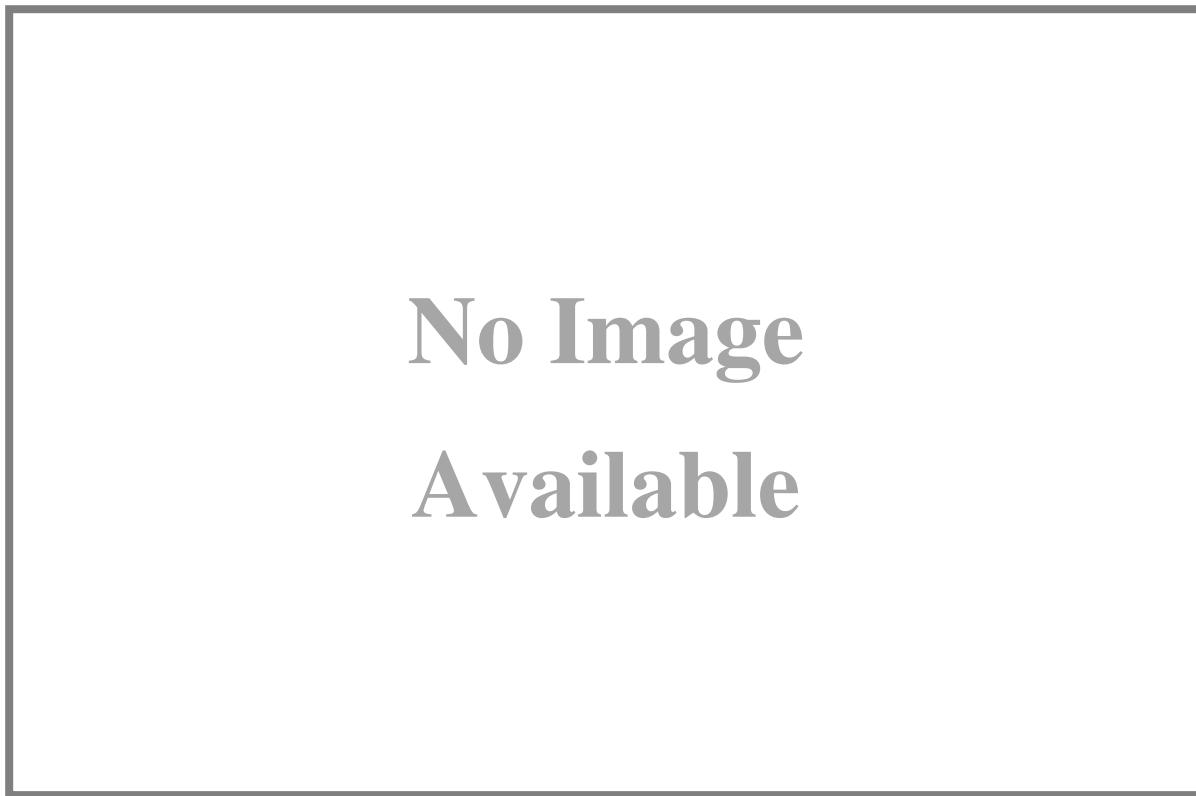
#### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.1	--	0.1	--	--	--
0.26 – 1.0	0.9	--	0.9	--	--	--
1.1 – 3.0	1.5	--	1.5	--	--	--
3.1 – 9.0	2.5	--	2.5	--	--	--
9.1 – 20.0	1.1	--	1.1	--	--	--
>20.0	2.3	--	2.3	--	--	--
Total	8.4	--	8.4	--	--	--

#### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	--	--	--
Other common species	--	--	--
Loading (lbs/ac)	N/A	N/A	N/A
Total cover (%)	--	--	--
Mean height (ft)	--	--	--

## Wide View

**OVERSTORY**

	Size Class (Diameter at Breast Height)				
	<8" Live & Dead	>8" Dead	8 – 20" Live	>20" Live	≥1" Live & Dead
Most common species	--	--	--	--	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	N/A	N/A	N/A	N/A	N/A
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg DBH (in)	--	--	--	--	17.0
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height (ft)	--	--	--	--	70.0
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg ladder fuel height (ft)	--	--	--	--	N/A
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height to live crown (ft)	--	--	--	--	35.0

## PNW 4-PP-3 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N/A  
 SAF cover type: Interior Ponderosa Pine  
 Elevation: N/A      Slope: N/A      Aspect: N/A

#### STAND INFORMATION

Trees (% of stems): Ponderosa pine (100)	
Crown closure: 60%	Standing dead trees: 0%
Seedling density: N/A	Duff and Litter Depth: 1.6 in

#### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.1	--	0.1	--	--	--
0.26 – 1.0	1.6	--	1.6	--	--	--
1.1 – 3.0	4.2	--	4.2	--	--	--
3.1 – 9.0	2.1	--	2.1	--	--	--
9.1 – 20.0	2.9	--	2.9	--	--	--
>20.0	4.7	--	4.7	--	--	--
Total	15.6	--	15.6	--	--	--

#### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	--	--	--
Other common species	--	--	--
Loading (lbs/ac)	0.00	0.00	0.00
Total cover (%)	0	0	0
Mean height (ft)	--	--	--

## Wide View

No Image  
Available

## OVERSTORY

	Size Class (Diameter at Breast Height)				
	<8" Live & Dead	>8" Dead	8 – 20" Live	>20" Live	≥1" Live & Dead
Most common species	Ponderosa pine	--	Ponderosa pine	--	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	815	0	37	0	852
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg DBH (in)	5.0	--	10.0	--	5.2
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height (ft)	30.0	--	45.0	--	30.7
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg ladder fuel height (ft)	--	--	--	--	--
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height to live crown (ft)	9.0	--	19.0	--	9.4

## PNW 5-PP-3 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N/A  
 SAF cover type: Interior Ponderosa Pine  
 Elevation: N/A      Slope: N/A      Aspect: N/A

#### STAND INFORMATION

Trees (% of stems): Ponderosa pine (100)	
Crown closure: 21%	Standing dead trees: 71%
Seedling density: N/A	Duff and Litter Depth: 1.1 in

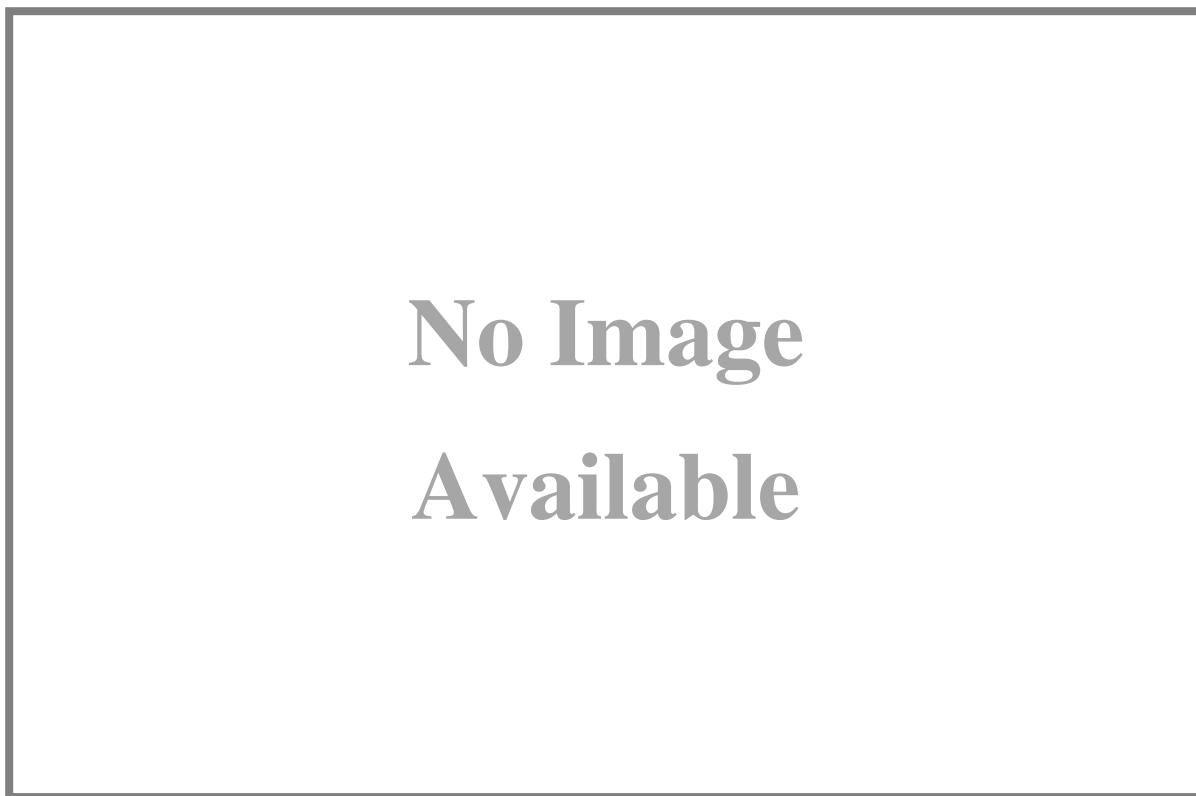
#### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.1	--	0.1	--	--	--
0.26 – 1.0	1.1	--	1.1	--	--	--
1.1 – 3.0	2.5	--	2.5	--	--	--
3.1 – 9.0	10.3	--	10.3	--	--	--
9.1 – 20.0	6.0	--	6.0	--	--	--
>20.0	0.0	--	0.0	--	--	--
Total	20.0	--	20.0	--	--	--

#### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	--	Pinegrass	Snowberry
Other common species	--	--	--
Loading (lbs/ac)	0.00	250.00	N/A
Total cover (%)	0	28	21
Mean height (ft)	--	0.8	0.6

## Wide View

**OVERSTORY**

	Size Class (Diameter at Breast Height)				
	<8" Live & Dead	>8" Dead	8 – 20" Live	>20" Live	≥1" Live & Dead
Most common species	--	Ponderosa pine	Ponderosa pine	Ponderosa pine	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	0	132	50	3	185
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg DBH (in)	--	13.0	16.0	29.0	14.1
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height (ft)	--	31.0	77.0	95.0	44.5
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg ladder fuel height (ft)	--	--	--	--	--
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height to live crown (ft)	--	--	42.0	85.0	44.4

## PNW 7-PP-3 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N/A		
SAF cover type: Interior Ponderosa Pine		
Elevation: N/A	Slope: N/A	Aspect: N/A

#### STAND INFORMATION

Trees (% of stems): Ponderosa pine (100)	
Crown closure: 31%	Standing dead trees: 5%
Seedling density: N/A	Duff and Litter Depth: 2.2 in

#### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.1	--	0.1	--	--	--
0.26 – 1.0	0.7	--	0.7	--	--	--
1.1 – 3.0	0.8	--	0.8	--	--	--
3.1 – 9.0	1.3	--	1.3	--	--	--
9.1 – 20.0	6.3	--	6.3	--	--	--
>20.0	13.5	--	13.5	--	--	--
Total	22.7	--	22.7	--	--	--

#### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	--	Pinegrass	Wildrose
Other common species	--	--	--
Loading (lbs/ac)	0.00	500.00	N/A
Total cover (%)	0	63	20
Mean height (ft)	--	0.7	2.2

## Wide View

No Image  
Available

## OVERSTORY

	Size Class (Diameter at Breast Height)				
	<8" Live & Dead	>8" Dead	8 – 20" Live	>20" Live	≥1" Live & Dead
Most common species	--	Ponderosa pine	Ponderosa pine	Ponderosa pine	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	0	3	57	1	61
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg DBH (in)	--	26.0	14.0	23.0	14.7
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height (ft)	--	52.0	64.0	66.0	63.4
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg ladder fuel height (ft)	--	--	--	--	--
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height to live crown (ft)	--	--	24.0	5.0	23.7

## SW 2-PP-3 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N 34° 54' 28.9" W 111° 32' 05.6"  
SAF cover type: Interior Ponderosa Pine  
Elevation: 7420 ft      Slope: 10%      Aspect: Southeast

#### STAND INFORMATION

Trees (% of stems): *Pinus ponderosa* (100)  
Crown closure: 84%      Standing dead trees: 7%  
Seedling density: 2667/ac      Sapling density: 0/ac  
Litter depth: 1.6 in      Duff depth: 1.0 in

#### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
<0.25	0.3	0.0	0.3	--	--	--
0.26 – 1.0	0.9	0.0	0.9	--	--	--
1.1 – 3.0	1.8	0.0	1.8	--	--	--
3.1 – 9.0	3.8	3.9	7.7	50	61	111
9.0 – 20.0	4.4	6.9	11.3	10	21	31
>20.0	0.0	4.2	4.2	0	5	5
Total	11.2	15.0	26.2	60	86	146

#### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	Fendler's meadow rue	Bottlebrush squirreltail	--
Other common species	--	--	--
Loading (lbs/ac)	12.20	19.81	0.00
Total cover (%)	1	2	0
Mean height (ft)	0.6	0.1	--

**Wide View**



**OVERSTORY**

	Size Class (Diameter at Breast Height)				
	3 – 9"	9 – 16"	16 – 25"	>25"	≥3"
Most common species	Ponderosa pine	Ponderosa pine	Ponderosa pine	--	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	33	100	117	0	250
Live	17	100	117	0	233
Dead	17	0	0	0	17
Avg DBH (in)	7.2	14.1	20.4	--	16.1
Live	8.1	14.1	20.4	--	16.8
Dead	6.3	--	--	--	6.3
Avg height (ft)	39.3	69.8	82.7	--	72.2
Live	44.9	69.8	83.7	--	75.0
Dead	33.6	--	--	--	33.6
Avg ladder fuel height (ft)	26.2	37.1	34.1	--	34.2
Live	28.6	37.1	34.1	--	35.0
Dead	23.7	--	--	--	23.7
Avg height to live crown (ft)	17.2	45.7	48.1	--	43.0

**Standard View****SITE INFORMATION**

Site location: N/A  
 SAF cover type: Interior Ponderosa Pine  
 Elevation: N/A      Slope: N/A      Aspect: N/A

**STAND INFORMATION**

Trees (% of stems): Ponderosa pine (100)	Standing dead trees: 3%
Crown closure: 35%	Seedling density: N/A
	Duff and Litter Depth: 0.6 in

**WOODY MATERIAL**

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.0	--	0.0	--	--	--
0.26 – 1.0	2.5	--	2.5	--	--	--
1.1 – 3.0	6.9	--	6.9	--	--	--
3.1 – 9.0	8.1	--	8.1	--	--	--
9.1 – 20.0	8.4	--	8.4	--	--	--
>20.0	3.6	--	3.6	--	--	--
Total	29.5	--	29.5	--	--	--

**UNDERSTORY**

	Lifeform		
	Forb	Grass	Shrub
Most common species	--	Pinegrass	Snowberry
Other common species	--	--	--
Loading (lbs/ac)	0.00	200.00	N/A
Total cover (%)	0	13	5
Mean height (ft)	--	0.7	0.9

## Wide View

No Image  
Available

## OVERSTORY

	Size Class (Diameter at Breast Height)				
	<8" Live & Dead	>8" Dead	8 – 20" Live	>20" Live	≥1" Live & Dead
Most common species	Ponderosa pine	Ponderosa pine	Ponderosa pine	Ponderosa pine	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	200	9	135	6	350
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg DBH (in)	2.0	12.0	12.0	25.0	6.5
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height (ft)	11.0	20.0	70.0	95.0	35.4
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg ladder fuel height (ft)	--	--	--	--	--
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height to live crown (ft)	6.0	--	33.0	55.0	17.6



**SOUTHWEST U.S  
PONDEROSA PINE PHOTO SERIES**

**SIZE CLASS IV**

(AVERAGE D.B.H. > 20.0 INCHES)

A SERIES OF 4 NATURAL SITES

**NOTES TO USERS:**

1. The sites in this series are ordered from lightest to heaviest woody material loading.
2. A list of scientific and common species names can be found on page X.
3. The marker in these photographs is a 1-foot square, and the pole is painted in contrasting colors at 1-foot intervals. The pole is 30 feet from the camera and all sampling occurs beyond that point.
4. Woody material and forest floor loading are reported in tons per acre. Understory loading is reported in pounds per acre.
5. Overstory size class ranges for Southwest (SW) sites are different from those of the Pacific Northwest (PNW), Pacific Southwest (PSW), and Black Hills (BH).

## PNW 1-PP-4 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N/A  
 SAF cover type: Interior Ponderosa Pine  
 Elevation: N/A      Slope: N/A      Aspect: N/A

#### STAND INFORMATION

Trees (% of stems): Ponderosa pine (100)	Crown closure: 50%	Standing dead trees: 0%
Seedling density: N/A		Duff and Litter Depth: 0.4 in

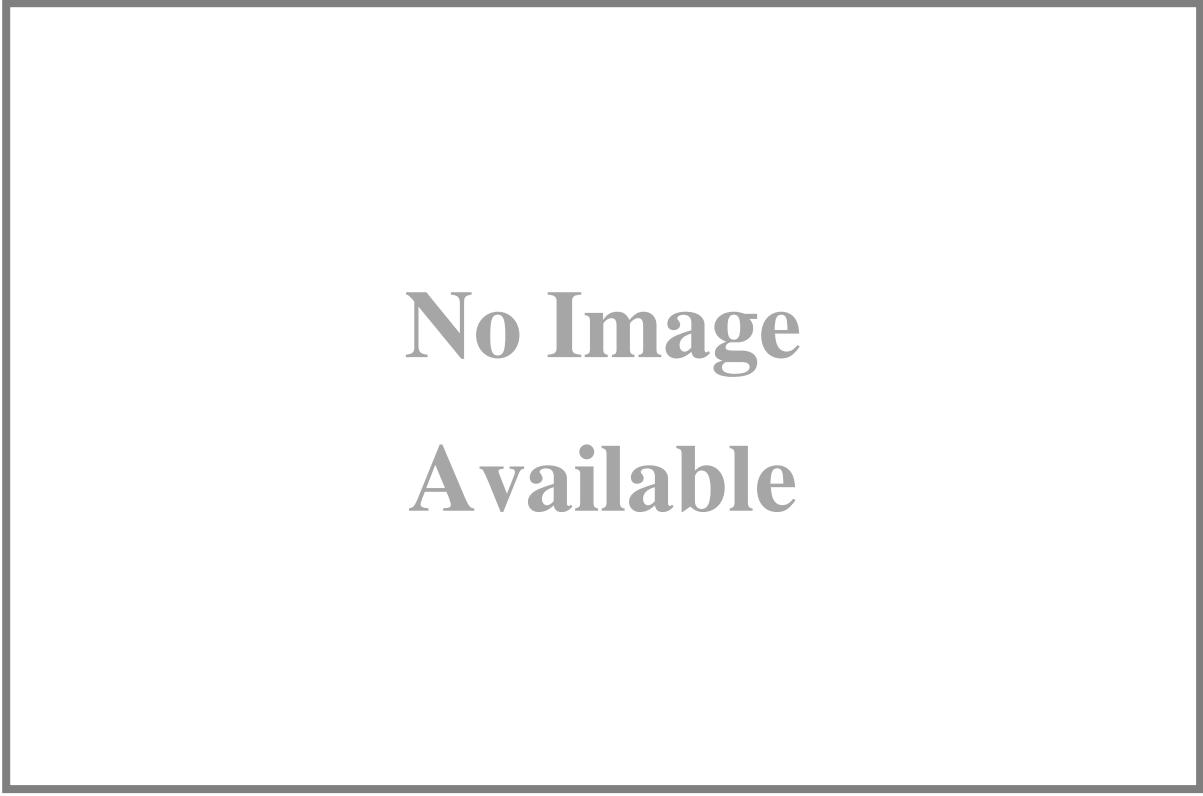
#### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.0	--	0.0	--	--	--
0.26 – 1.0	0.2	--	0.2	--	--	--
1.1 – 3.0	0.5	--	0.5	--	--	--
3.1 – 9.0	0.1	--	0.1	--	--	--
9.1 – 20.0	0.0	--	0.0	--	--	--
>20.0	0.0	--	0.0	--	--	--
Total	0.8	--	0.8	--	--	--

#### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	--	Cheatgrass	Wildrose
Other common species	--	--	--
Loading (lbs/ac)	0.00	650.00	N/A
Total cover (%)	0	47	9
Mean height (ft)	--	1.4	1.8

## Wide View



No Image  
Available

**OVERSTORY**

	Size Class (Diameter at Breast Height)				
	<8" Live & Dead	>8" Dead	8 – 20" Live	>20" Live	≥1" Live & Dead
Most common species	--	--	Ponderosa pine	Ponderosa pine	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	0	0	27	24	51
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg DBH (in)	--	--	12.0	33.0	21.9
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height (ft)	--	--	38.0	132.0	82.2
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg ladder fuel height (ft)	--	--	--	--	--
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height to live crown (ft)	--	--	32.0	89.0	58.8

## SW 1-PP-4 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N 35° 167' 39.6" W 111° 50' 04.2"  
SAF cover type: Interior Ponderosa Pine  
Elevation: 7375 ft      Slope: 1%      Aspect: South

#### STAND INFORMATION

Trees (% of stems): *Pinus ponderosa* (100)  
Crown closure: 34%      Standing dead trees: 0%  
Seedling density: 0/ac      Sapling density: 0/ac  
Litter depth: 0.8 in      Duff depth: 0.4 in

### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.1	0.0	0.1	--	--	--
0.26 – 1.0	0.6	0.0	0.6	--	--	--
1.1 – 3.0	0.7	0.0	0.7	--	--	--
3.1 – 9.0	0.1	0.0	0.1	3	1	4
9.0 – 20.0	0.8	0.0	0.8	1	0	1
>20	0.0	0.0	0.0	0	0	0
Total	2.3	0.0	2.3	4	1	5

### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	Silver lupine	Arizona fescue	--
Other common species	--	Mountain muhly	--
Loading (lbs/ac)	9.77	4286.38	0.00
Total cover (%)	1	22	0
Mean height (ft)	0.7	0.9	--

## Wide View



## OVERSTORY

	Size Class (Diameter at Breast Height)				
	3 – 9”	9 – 16”	16 – 25”	>25”	≥3”
Most common species	--	--	Ponderosa pine	Ponderosa pine	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	0	0	33	33	66
Live	0	0	33	33	66
Dead	0	0	0	0	0
Avg DBH (in)	--	--	23.2	26.9	25.1
Live	--	--	23.2	26.9	25.1
Dead	--	--	--	--	--
Avg height (ft)	--	--	90.3	94.4	92.3
Live	--	--	90.3	94.4	92.3
Dead	--	--	--	--	--
Avg ladder fuel height (ft)	--	--	29.4	19.3	24.3
Live	--	--	29.4	19.3	24.3
Dead	--	--	--	--	--
Avg height to live crown (ft)	--	--	37.0	26.3	31.6

## PNW 4-PP-4 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N/A	SAF cover type: Interior Ponderosa Pine	Elevation: N/A	Slope: N/A	Aspect: N/A
--------------------	---	----------------	------------	-------------

#### STAND INFORMATION

Trees (% of stems): Ponderosa pine (100)	Crown closure: 30%	Standing dead trees: 0%
Seedling density: N/A		Duff and Litter Depth: 2.0 in

#### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.2	--	0.2	--	--	--
0.26 – 1.0	1.2	--	1.2	--	--	--
1.1 – 3.0	2.3	--	2.3	--	--	--
3.1 – 9.0	2.3	--	2.3	--	--	--
9.1 – 20.0	2.4	--	2.4	--	--	--
>20.0	0.0	--	0.0	--	--	--
Total	8.4	--	8.4	--	--	--

#### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	--	Bluebunch wheatgrass	Bitterbrush
Other common species	--	--	--
Loading (lbs/ac)	0.00	90.00	N/A
Total cover (%)	0	5	28
Mean height (ft)	--	0.4	2.2

## Wide View

No Image  
Available

## OVERSTORY

	Size Class (Diameter at Breast Height)				
	<8" Live & Dead	>8" Dead	8 – 20" Live	>20" Live	≥1" Live & Dead
Most common species	--	--	Ponderosa pine	Ponderosa pine	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	0	0	30	18	48
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg DBH (in)	--	--	17.0	24.0	20.9
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height (ft)	--	--	73.0	88.0	78.6
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg ladder fuel height (ft)	--	--	--	--	--
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height to live crown (ft)	--	--	49.0	68.0	56.1

## PSW 3-PP-4 Ponderosa Pine

### Standard View



#### SITE INFORMATION

Site location: N/A  
SAF cover type: Pacific Ponderosa Pine  
Elevation: N/A      Slope: N/A      Aspect: N/A

#### STAND INFORMATION

Trees (% of stems): Ponderosa pine (100)  
Crown closure: N/A      Standing dead trees: N/A  
Seedling density: N/A      Duff and Litter Depth: 2.0 in

#### WOODY MATERIAL

Diameter (in)	Loadings (tons/ac)			Density (pieces/ac)		
	Sound	Rotten	Total	Sound	Rotten	Total
≤0.25	0.3	--	0.3	--	--	--
0.26 – 1.0	1.4	--	1.4	--	--	--
1.1 – 3.0	1.8	--	1.8	--	--	--
3.1 – 9.0	1.5	--	1.5	--	--	--
9.1 – 20.0	5.0	--	5.0	--	--	--
>20.0	0.0	--	0.0	--	--	--
Total	10.0	--	10.0	--	--	--

#### UNDERSTORY

	Lifeform		
	Forb	Grass	Shrub
Most common species	--	--	--
Other common species	--	--	--
Loading (lbs/ac)	N/A	N/A	N/A
Total cover (%)	--	--	--
Mean height (ft)	--	--	--

## Wide View

No Image  
Available

## OVERSTORY

	Size Class (Diameter at Breast Height)				
	<8" Live & Dead	>8" Dead	8 – 20" Live	>20" Live	≥1" Live & Dead
Most common species	--	--	--	--	Ponderosa pine
Second most common species	--	--	--	--	--
Tree density (stems/ac)	N/A	N/A	N/A	N/A	N/A
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg DBH (in)	--	--	--	--	37.0
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height (ft)	--	--	--	--	116.0
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg ladder fuel height (ft)	--	--	--	--	N/A
Live	--	--	--	--	--
Dead	--	--	--	--	--
Avg height to live crown (ft)	--	--	--	--	48.0





Table

Residue Descriptive Code (Site)	Total Woody Material Loading (T/ac)	Fine Woody Debris Loading (T/ac)	Coarse Woody Debris (T/ac)		Tree Density (TPA)	Average DBH (in)	Average Height (ft)	Average Height to Live Crown (ft)	Site Page Number
			Sound	Rotten					
<b>Size Class 1 (<math>\leq</math> 5.0-inch Diameter at Breast Height)</b>									
BH 1-PP-1	4.0	1.2	2.3	0.5	4000	2.0	13.1	4.7	BH1
PNW 1-PP-1	10.0	3.8	6.2	0.0	1799	5.0	22.3	9.2	PNW2
PNW 2-PP-1	14.2	6.4	5.4	2.4	969	3.1	18.4	9.3	PNW3
PNW 3-PP-1	42.5	8.5	10.9	23.1	1338	3.2	23.8	9.5	PNW4
<b>Size Class 2 (5.0 to 11.0-inch Diameter at Breast Height)</b>									
PSW 1-PP-2	2.9	2.1	0.7	0.1	375	8.0	39.0	26.0	PSW1
BH 1-PP-2	3.8	2.2	1.0	0.6	503	8.1	39.6	20.1	BH2
SW 1-PP-2	4.5	2.3	1.9	0.3	934	5.7	28.6	18.7	SW1
PNW 1-PP-2	5.3	2.8	2.1	0.4	374	8.6	45.7	22.0	PNW5
SW 2-PP-2	5.5	2.6	0.2	2.7	317	10.5	44.6	28.6	SW2
PSW 3-PP-2	6.2	1.3	2.5	2.4	600	5.0	17.0	3.0	PSW3
BH 2-PP-2	8.2	0.8	7.3	0.1	553	5.4	32.7	14.1	BH3
PNW 2-PP-2	8.5	3.0	3.5	2.0	621	5.7	33.0	13.4	PNW6
PSW 4-PP-2	9.9	3.7	1.8	4.4	500	9.0	35.0	24.0	PSW4
PNW 3-PP-2	13.8	3.6	3.6	6.6	239	7.8	28.0	10.1	PNW7
SW 3-PP-2	14.3	4.1	5.8	4.4	517	9.0	47.1	25.6	SW3
SW 4-PP-2	18.5	2.8	10.3	5.4	233	10.7	47.7	22.4	SW4
SW 5-PP-2	21.3	2.6	6.4	12.3	367	7.9	47.7	32.4	SW5
SW 6-PP-2	21.6	6.9	2.9	11.8	383	10.1	49.0	29.6	SW6
PNW 4-PP-2	39.2	6.5	30.1	2.6	284	6.1	25.2	11.7	PNW8
SW 7-PP-2	54.5	8.8	23.0	22.7	417	8.3	32.1	12.4	SW7
<b>Size Class 3 (11.0 to 20.0-inch Diameter at Breast Height)</b>									
PNW 1-PP-3	1.6	1.2	0.4	0.0	85	8.7	28.9	20.2	PNW9
PSW 1-PP-3	1.8	0.7	0.2	0.9	130	19.0	55.0	33.0	PSW5
PSW 2-PP-3	3.0	1.6	0.1	1.3	75	18.0	49.0	18.0	PSW6
SW 1-PP-3	3.2	1.7	1.4	0.1	117	14.3	52.3	27.6	SW8
BH 1-PP-3	4.6	1.7	2.2	0.7	279	8.9	51.8	25.6	BH4
PSW 3-PP-3	5.0	1.8	0.4	2.8	200	16.0	59.0	23.0	PSW7
PNW 2-PP-3	6.4	2.9	2.9	0.6	216	18.3	95.6	44.3	PNW10
PNW 3-PP-3	8.3	2.3	6.0	0.0	236	12.8	74.5	43.6	PNW11
PSW 4-PP-3	8.4	2.5	4.5	1.4	325	17.0	70.0	35.0	PSW8
PNW 4-PP-3	15.6	5.9	4.8	4.9	852	5.2	37.0	9.4	PNW12
PNW 5-PP-3	20.0	3.7	13.2	3.1	185	14.1	44.5	44.4	PNW13
PNW 7-PP-3	22.7	1.6	19.6	1.5	61	14.7	63.4	23.7	PNW14

**PNW 8-PP-3 Ponderosa Pine**

SW 2-PP-3	26.2	3.0	8.2	15.0	250	16.1	72.2	43.0	SW9
PNW 8-PP-3	29.5	9.4	18.9	1.2	350	6.5	35.4	17.6	PNW15

**Size Class 4 ( $\geq$  20.0-inch Diameter at Breast Height)**

PNW 1-PP-4	0.8	0.7	0.1	0.0	51	21.9	82.2	58.8	PNW16
SW 1-PP-4	2.3	1.4	0.9	0.0	67	25.1	92.3	31.6	SW10
PNW 4-PP-4	8.4	3.7	2.6	2.1	48	20.9	78.6	56.1	PNW18
PSW 3-PP-4	10.0	3.5	3.2	3.3	150	37.0	116.0	48.0	PSW9

Total Woody Material Loading (T/ac)	Residue Descriptive Code (Site)	Page Number	Coarse Woody Debris (T/ac)	Residue Descriptive Code (Site)	Page Number	Tree Density (TPA)	Residue Descriptive Code (Site)	Page Number
0.8	PNW 1-PP-4		0.1	PNW 1-PP-4		48	PNW 4-PP-4	
1.6	PNW 1-PP-3		0.4	PNW 1-PP-3		51	PNW 1-PP-4	
1.8	PSW 1-PP-3		0.8	PSW 1-PP-2		61	PNW 7-PP-3	
2.3	SW 1-PP-4		0.9	SW 1-PP-4		67	SW 1-PP-4	
2.9	PSW 1-PP-2		1.1	PSW 1-PP-3		75	PSW 2-PP-3	
3.0	PSW 2-PP-3		1.4	PSW 2-PP-3		85	PNW 1-PP-3	
3.2	SW 1-PP-3		1.5	SW 1-PP-3		117	SW 1-PP-3	
3.8	BH 1-PP-2		1.6	BH 1-PP-2		130	PSW 1-PP-3	
4.0	BH 1-PP-1		2.2	SW 1-PP-2		150	PSW 3-PP-4	
4.5	SW 1-PP-2		2.5	PNW 1-PP-2		185	PNW 5-PP-3	
4.6	BH 1-PP-3		2.8	BH 1-PP-1		200	PSW 3-PP-3	
5.0	PSW 3-PP-3		2.9	SW 2-PP-2		216	PNW 2-PP-3	
5.3	PNW 1-PP-2		2.9	BH 1-PP-3		233	SW 4-PP-2	
5.5	SW 2-PP-2		3.2	PSW 3-PP-3		236	PNW 3-PP-3	
6.2	PSW 3-PP-2		3.5	PNW 2-PP-3		239	PNW 3-PP-2	
6.4	PNW 2-PP-3		4.7	PNW 4-PP-4		250	SW 2-PP-3	
8.2	BH 2-PP-2		4.9	PSW 3-PP-2		279	BH 1-PP-3	
8.3	PNW 3-PP-3		5.5	PNW 2-PP-2		284	PNW 4-PP-2	
8.4	PSW 4-PP-3		5.9	PSW 4-PP-3		317	SW 2-PP-2	
8.4	PNW 4-PP-4		6.0	PNW 3-PP-3		325	PSW 4-PP-3	
8.5	PNW 2-PP-2		6.2	PNW 1-PP-1		350	PNW 8-PP-3	
9.9	PSW 4-PP-2		6.2	PSW 4-PP-2		367	SW 5-PP-2	
10.0	PNW 1-PP-1		6.5	PSW 3-PP-4		374	PNW 1-PP-2	
10.0	PSW 3-PP-4		7.4	BH 2-PP-2		375	PSW 1-PP-2	
13.8	PNW 3-PP-2		7.8	PNW 2-PP-1		383	SW 6-PP-2	
14.2	PNW 2-PP-1		9.7	PNW 4-PP-3		417	SW 7-PP-2	
14.3	SW 3-PP-2		10.2	PNW 3-PP-2		500	PSW 4-PP-2	
15.6	PNW 4-PP-3		10.2	SW 3-PP-2		503	BH 1-PP-2	
18.5	SW 4-PP-2		14.7	SW 6-PP-2		517	SW 3-PP-2	
20.0	PNW 5-PP-3		15.7	SW 4-PP-2		553	BH 2-PP-2	
21.3	SW 5-PP-2		16.3	PNW 5-PP-3		600	PSW 3-PP-2	
21.6	SW 6-PP-2		18.7	SW 5-PP-2		621	PNW 2-PP-2	
22.7	PNW 7-PP-3		20.1	PNW 8-PP-3		852	PNW 4-PP-3	
26.2	SW 2-PP-3		21.1	PNW 7-PP-3		934	SW 1-PP-2	
29.5	PNW 8-PP-3		23.2	SW 2-PP-3		969	PNW 2-PP-1	
39.2	PNW 4-PP-2		32.7	PNW 4-PP-2		1338	PNW 3-PP-1	
42.5	PNW 3-PP-1		34.0	PNW 3-PP-1		1799	PNW 1-PP-1	
54.5	SW 7-PP-2		45.7	SW 7-PP-2		4000	BH 1-PP-1	

